

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTU-075939
TYPE OF WELL <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> SINGLE <input checked="" type="checkbox"/> MULTIPLE <input type="checkbox"/> OIL WELL GAS WELL OTHER ZONE ZONE		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR QEP UINTA BASIN, INC.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS 11002 E. 17500 S. Vernal, Ut 84078		8. FARM OR LEASE NAME, WELL NO. HC 14M-6-7-22
Contact: Jan Nelson E-Mail: jan.nelson@questar.com		9. API WELL NO. 43-047-36198
Telephone number Phone 435-781-4331 Fax 435-781-4323		10. FIELD AND POOL, OR WILDCAT Horse shoe UNDESIGNATED Bond 620
4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*) At Surface 628974X 573' FSL 2760' FWL SESW SEC. 6 40. 234778 At proposed production zone 4454708Y -109. 483917		11. SEC., T, R, M, OR BLK & SURVEY OR AREA SEC 6 T7S R22E Mer SLB
14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE* 24 +/- FROM VERNAL, UTAH		12. COUNTY OR PARISH Uintah
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig, unit line if any) 573' +/-		13. STATE UT
16. NO. OF ACRES IN LEASE 1144.98		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft 2000' +/-		20. BLM/BIA Bond No. on file ESB000024
21. ELEVATIONS (Show whether DF, RT, GR, ect.) 4978.5 GR		22. DATE WORK WILL START ASAP
23. Estimated duration 10 days		
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A surface Use Plan (if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

RECEIVED
DEC 28 2004

SIGNED

Name (printed/typed) Jan Nelson

DIV. OF OIL, GAS & MINING

DATE December 27, 2004

TITLE

Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO.

43-047-36198

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE ENVIRONMENTAL SCIENTIST III

*See Instructions On Reverse Side

DATE

12-30-04

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Federal Approval of this
Action is Necessary

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R
21
ER
22
E

31

N88°57'E - 5940.66' (G.L.O.)

T6S

QUESTAR EXPLR. & PROD.

Well location, HC #14M-6-7-22, located as shown in the SE 1/4 SW 1/4 of Section 6, T7S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

T7S, R22E, S.L.B.&M.

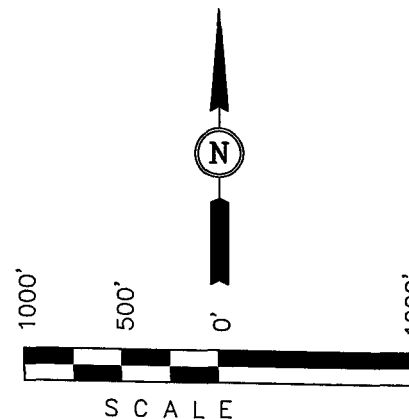
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N01°46'20"W	291.01'
L2	S01°01'51"W	412.41'

HC #14M-6-7-22

Elev. Ungraded Ground = 4980'



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-18-04	DATE DRAWN: 10-20-04
PARTY D.A. T.C. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QUESTAR EXPLR. & PROD.	

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°14'05.25" (40.234792)
LONGITUDE = 109°29'04.45" (109.484569)
(NAD 27)
LATITUDE = 40°14'05.38" (40.234828)
LONGITUDE = 109°29'01.97" (109.483881)

N89°55'22"W - 3229.06' (Meas. to C.C.)
N89°55'22"W - 3229.03' (Meas. to True)

N89°56'39"W - 2641.77' (Meas.)

1938 Brass Cap,
1.0' High, Pile of
Stones

C.C.
1941 Brass Cap,
0.6' High, Pile of
Stones

1938 Brass Cap,
1.0' High, Pile of
Stones

1941 Brass Cap,
0.4' High, Pile
of Stones

1941 Brass Cap,
0.4' High, Pile
of Stones

1941 Brass Cap,
1.0' High, Pile
of Stones

N00°04'W - 3087.48' (G.L.O.)

N00°04'24"W - 2640.86' (Meas.)

N03°32'W - 2563.44' (G.L.O.)

N01°07'16"E - 2763.12' (Meas.)

S01°46'44"E
1309.11' (Meas.)

1

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Additional Operator Remarks

QEP Uinta Basin, Inc. proposes to drill a well to 14400' to test the Mancos B. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements

See attached 8-point drilling program.

See Onshore Order No. 1 attached

Please be advised that QEP Uinta Basin, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. ESB000024. The principal is QEP Uinta Basin, Inc. via surety as consent as provided for the 43 CFR 3104.2.

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ONSHORE OIL & GAS ORDER NO. 1
 QEP Uinta Basin, Inc.
 HC 14M-6-7-22

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	
Green River	3705'	
Wasatch	7055'	Gas
Mesa Verde	9925'	
Blackhawk	13125'	
Mancos	13565'	
Mancos B	14150'	
TD	14400'	

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Mancos B	14400'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

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DRILLING PROGRAM

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 or Red Wash Water right # 49-2153 to supply fresh water for drilling purposes.

3. Operator's Specification for Pressure Control Equipment:

- A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 2500 psi, or 70% of burst, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	700'	12-1/4"	9-5/8"	J-55	36lb/ft (new) LT&C
Intermediate	10500'+/-	8-3/4"	7"	N-80	26.1b/ft (new) LT&C
Production TD	14400'	6-1/8"	4 1/2"	P-110	13.5lb/ft (new) LT&C
					*High Collapse P-110

5. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Sho
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
If drilling with air the following will be used:

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DRILLING PROGRAM

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').
- H. Compressor shall be tied directly to the blooie line through a manifold.
- I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

Logging – Mud logging – 450 to TD
GR-SP-Induction
Neutron Density
MRI

- C. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.

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DRILLING PROGRAM

Stimulation – Stimulation will be designed for the particular area of interest as encountered.

7. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
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*See attached calculations

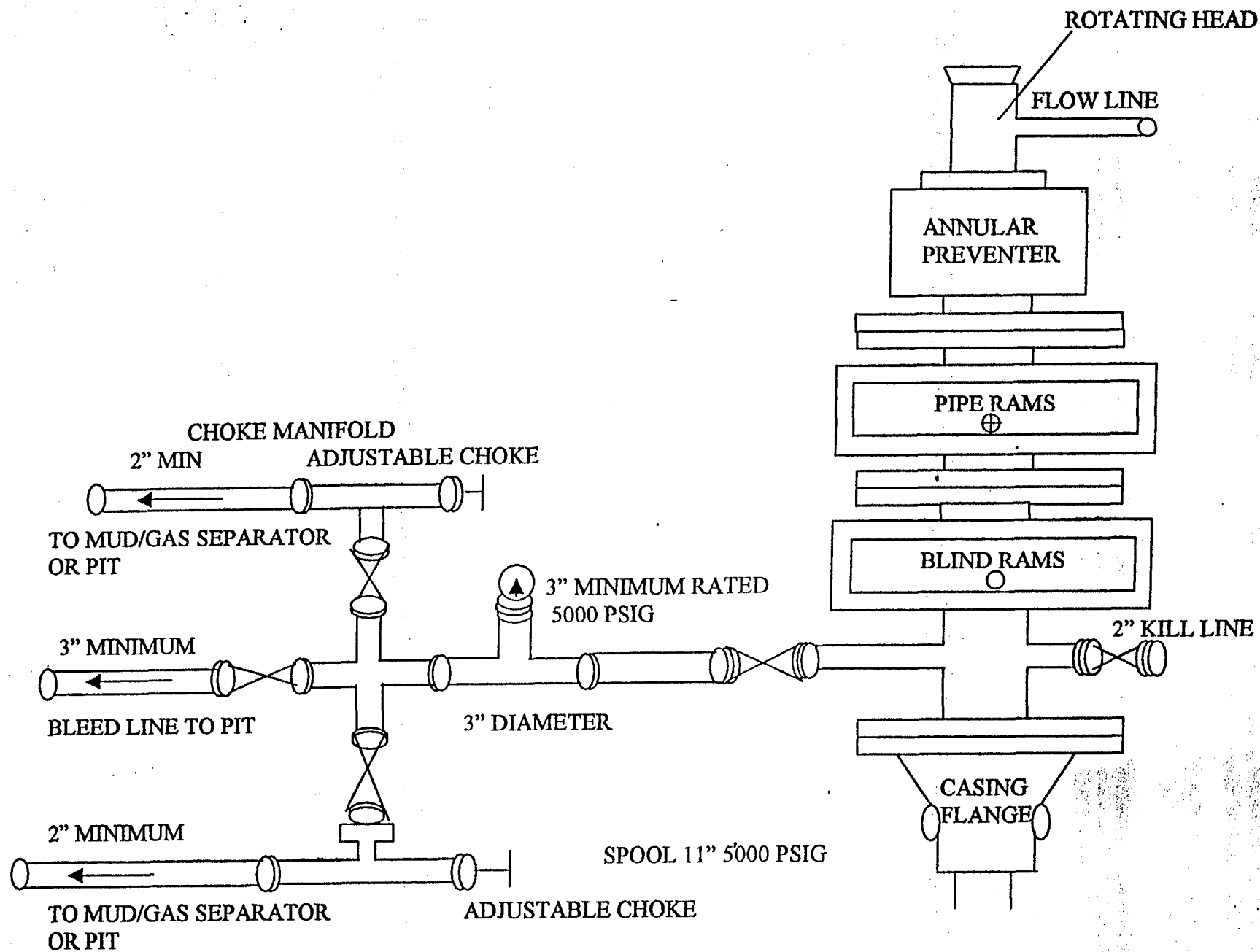
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 6245 psi. Maximum anticipated bottom hole temperature is 140° F.

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5000 PSIG DIAGRAM



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**Questar Exploration And Production
11002 East 17500 South
Vernal, Utah 84078**

HC 14M-6-7-22

Uintah County, Utah
United States of America

Cement Program Recommendation

Prepared for: Jan Nelson
November 10, 2004
Version: 1

Submitted by:
Rob Kruger
Halliburton Energy Services
1085 E Main
Vernal, Utah 84078
+435.789.2550

HALLIBURTON

*Halliburton appreciates the opportunity to present
this proposal and looks forward to being of service to you.*

Foreword

Enclosed is our recommended procedure for cementing the casing strings in the referenced well. The information in this proposal includes well data, calculations, materials requirements, and cost estimates. This proposal is based on information from our field personnel and previous cementing services in the area.

Halliburton Energy Services recognizes the importance of meeting society's needs for health, safety, and protection of the environment. It is our intention to proactively work with employees, customers, the public, governments, and others to use natural resources in an environmentally sound manner while protecting the health, safety, and environmental processes while supplying high quality products and services to our customers.

We appreciate the opportunity to present this proposal for your consideration and we look forward to being of service to you. Our Services for your well will be coordinated through the Service Center listed below. If you require any additional information or additional designs, please feel free to contact myself or our field representative listed below.

Prepared by: _____
Dean Smith
Technical Professional

Submitted by: _____
Rob Kruger
Senior Account Representative

SERVICE CENTER:	Vernal, Utah
SERVICE COORDINATOR:	Dale Harrold
OPER. ENGINEER:	Richard Curtice
CEMENT ENGINEER:	Dean Smith
PHONE NUMBER:	435-789-2550

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Job Information

Cement 9-5/8" Surface Casing

HC 14M-6-7-22

12-1/4" Surface Hole Section	0 - 700 ft (MD)
Inner Diameter	12.250 in
Job Excess	100 %

9-5/8" Surface Casing	0 - 700 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft

BHST	80 degF
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Calculations**Cement 9-5/8" Surface Casing**

Spacer:

$$\begin{aligned}\text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl}\end{aligned}$$

Cement : (700.00 ft fill)

$$\begin{aligned}700.00 \text{ ft} * 0.3132 \text{ ft}^3/\text{ft} * 100 \% &= 438.46 \text{ ft}^3 \\ \text{Primary Cement} &= 438.46 \text{ ft}^3 \\ &= 78.09 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned}42.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 18.23 \text{ ft}^3 \\ &= 3.25 \text{ bbl} \\ \text{Tail plus shoe joint} &= 456.69 \text{ ft}^3 \\ &= 81.34 \text{ bbl} \\ \text{Total Tail} &= 381 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}700.00 \text{ ft} * 0.4341 \text{ ft}^3/\text{ft} &= 303.85 \text{ ft}^3 \\ &= 54.12 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 54.12 \text{ bbl} - 3.25 \text{ bbl} \\ &= 50.87 \text{ bbl}\end{aligned}$$

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Job Recommendation

Cement 9-5/8" Surface Casing

Fluid Instructions

Fluid 1: Water Based Spacer

GEL WATER

Fluid Density: 8.34 lbm/gal

Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Premium Plus Type V Cement

94 lbm/sk Premium Plus Type V

2 % Calcium Chloride (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 15.60 lbm/gal

Slurry Yield: 1.20 ft³/sk

Total Mixing Fluid: 5.27 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 700 ft

Volume: 81.34 bbl

Calculated Sacks: 380.58 sks

Proposed Sacks: 390 sks

Fluid 3: Water Spacer

WATER DISPLACEMENT

Fluid Density: 8.33 lbm/gal

Fluid Volume: 50.87 bbl

Fluid 4: Top Out Cement (if necessary)

94 lbm/sk Premium Plus Type V

2 % Calcium Chloride (on the side)

Fluid Density: 15.60 lbm/gal

Slurry Yield: 1.20 ft³/sk

Total Mixing Fluid: 5.27 Gal/sk

Volume: 21.40 bbl

Calculated Sacks: 100 sks

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Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	GEL WATER	8.3	5.0	20 bbl
2	Cement	PREMIUM PLUS TYPE V	15.6	5.0	390 sks
3	Spacer	WATER DISPLACEMENT	8.3	5.0	50.87 bbl

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Cost Estimate

Cement 9-5/8" Surface Casing

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7521	CMT SURFACE CASING BOM	1		0.00	0.00	0.0%	0.00
	CEMENTING EQUIPMENT & SERVICES						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 700 FT	EA	2,879.00	2,879.00	50.0%	1,439.50
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT" Number of Units	80 1	MI	5.28	422.40	50.0%	211.20
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	3.11	248.80	50.0%	124.40
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	962.00	962.00	50.0%	481.00
	SubTotal			USD	4,512.20	50.0%	2,256.10
	CEMENTING MATERIALS						
201087	BA.QUIK-GEL - 50 LB BAG	4	BG	31.65	126.60	50.0%	63.30
100003684	PREMIUM PLUS TYPE V	390	SK	21.04	8,205.60	50.0%	4,102.80
100005053	CALCIUM CHLORIDE	10	SK	146.50	1,465.00	50.0%	732.50
100005049	FLOCELE	98	LB	3.24	317.52	50.0%	158.76
	Top Out Cement (if necessary)						
100003684	PREMIUM PLUS TYPE V	100	SK	21.04	2,104.00	50.0%	1,052.00
100005053	CALCIUM CHLORIDE (on the side)	3	SK	146.50	439.50	50.0%	219.75
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 23.6	MI	1.81	1,708.64	50.0%	854.32
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	408 1	CF	2.96	1,207.68	50.0%	603.84
	SubTotal			USD	15,574.54	50.0%	7,787.27
	CASING EQUIPMENT						
100003164	PLUG - CMTG - TOP PLASTIC - 9-5/8	1	EA	276.05	276.05	45.0%	151.83
100004955	SHOE,FLT,9-5/8 8RD,2-3/4 SUPER SEAL	1	EA	810.81	810.81	45.0%	445.95
100004823	CLR,FLOAT,9-5/8 8RD,29.3-40#/FT,2 3/4	1	EA	898.13	898.13	45.0%	493.97
100004485	CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	3	EA	114.00	342.00	45.0%	188.10
100004643	COLLAR-STOP-9 5/8"-W/DOGS	1	EA	50.82	50.82	45.0%	27.95
	SubTotal			USD	2,377.81	45.0%	1,307.80
	SURCHARGES						
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00	45.0%	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00	45.0%	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	80 1	MI	0.08	6.40	45.0%	6.40
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	80 1	MI	0.24	19.20	45.0%	19.20
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 23.6	MI	0.08	75.52	45.0%	75.52
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	130.00	260.00	45.0%	260.00

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<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
	SubTotal			USD	488.12	0.0%	488.12
	Total			USD			22,952.67
	Discount			USD			11,113.38
	Discounted Total			USD			11,839.29

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/1/2004

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Job Information**Multi-Stage Cement 7" Intermediate Casing**

HC 14M-6-7-22

9-5/8" Surface Casing	0 - 700 ft (MD)
Outer Diameter	9.625 in
Inner Diameter	8.921 in
Linear Weight	36 lbm/ft
Job Excess	0 %
8-3/4" Intermediate Hole Section	700 - 10500 ft (MD)
Inner Diameter	8.750 in
Job Excess	25 %
DV Tool	5000 ft (MD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
7" Intermediate Casing	0 - 10500 ft (MD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
Casing Grade	N-80
Mud Type	Water Based Mud
Mud Weight	9 lbm/gal
BHST	195 degF

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Calculations**Multi-Stage Cement 7" Intermediate Casing**

Stage 1

Spacer:

$$\begin{aligned} 299.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 56.19 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 598.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 112.37 \text{ ft}^3 \\ \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 299.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 56.19 \text{ ft}^3 \\ \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Cement : (3300.00 ft fill)

$$\begin{aligned} 3300.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 620.11 \text{ ft}^3 \\ \text{Total First Stage Lead Cement} &= 620.11 \text{ ft}^3 \\ &= 110.45 \text{ bbl} \\ \text{Sacks of Cement} &= 161 \text{ sks} \end{aligned}$$

Cement : (2500.00 ft fill)

$$\begin{aligned} 2500.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 469.78 \text{ ft}^3 \\ \text{First Stage Tail Cement} &= 469.78 \text{ ft}^3 \\ &= 83.67 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 9.02 \text{ ft}^3 \\ &= 1.61 \text{ bbl} \\ \text{Tail plus shoe joint} &= 478.80 \text{ ft}^3 \\ &= 85.28 \text{ bbl} \\ \text{Total Tail} &= 376 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 10500.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 2255.71 \text{ ft}^3 \\ &= 401.76 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 401.76 \text{ bbl} - 1.61 \text{ bbl} \\ &= 400.15 \text{ bbl} \end{aligned}$$

Stage 2

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} \text{Total Spacer} &= 112.29 \text{ ft}^3 \\ &= 20.00 \text{ bbl} \end{aligned}$$

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Spacer:

$$\begin{aligned}\text{Total Spacer} &= 56.15 \text{ ft}^3 \\ &= 10.00 \text{ bbl}\end{aligned}$$

Cement : (3500.00 ft fill)

$$\begin{aligned}700.00 \text{ ft} * 0.1668 \text{ ft}^3/\text{ft} * 0 \% &= 116.77 \text{ ft}^3 \\ 2800.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 526.16 \text{ ft}^3 \\ \text{Total Second Stage Lead Cement} &= 642.92 \text{ ft}^3 \\ &= 114.51 \text{ bbl} \\ \text{Sacks of Cement} &= 169 \text{ sks}\end{aligned}$$

Cement : (1500.00 ft fill)

$$\begin{aligned}1500.00 \text{ ft} * 0.1503 \text{ ft}^3/\text{ft} * 25 \% &= 281.87 \text{ ft}^3 \\ \text{Second Stage Tail Cement} &= 281.87 \text{ ft}^3 \\ &= 50.20 \text{ bbl}\end{aligned}$$

Shoe Joint Volume: (0.00 ft fill)

$$\begin{aligned}0.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 0.00 \text{ ft}^3 \\ &= 0.00 \text{ bbl} \\ \text{Tail plus shoe joint} &= 281.87 \text{ ft}^3 \\ &= 50.20 \text{ bbl} \\ \text{Total Tail} &= 174 \text{ sks}\end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned}5000.00 \text{ ft} * 0.2148 \text{ ft}^3/\text{ft} &= 1074.15 \text{ ft}^3 \\ &= 191.31 \text{ bbl}\end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned}\text{Capacity of Pipe - Shoe Joint} &= 191.31 \text{ bbl} - 0.00 \text{ bbl} \\ &= 191.31 \text{ bbl}\end{aligned}$$

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Job RecommendationMulti-Stage Cement 7" Intermediate Casing

Fluid Instructions

Stage 1

Fluid 1: Water Spacer

FRESH AHEAD

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Reactive Spacer

SUPER FLUSH

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

FRESH BEHIND

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: First Stage Lead Cement

Halliburton Hi-Fill

Fluid Weight 11 lbm/gal

Slurry Yield: 3.84 ft³/sk

Total Mixing Fluid: 23.15 Gal/sk

Top of Fluid: 4700 ft

Calculated Fill: 3300 ft

Volume: 110.45 bbl

Calculated Sacks: 161.32 sks

Proposed Sacks: 170 sks

Fluid 5: First Stage Tail Cement

50/50 Poz Premium AG300 (2% Gel Total)

0.6 % Halad(R)-322 (Low Fluid Loss Control)

2 % Microbond M (Expander)

5 % Salt (Salt)

0.1 % HR-5 (Retarder)

Fluid Weight 14.20 lbm/gal

Slurry Yield: 1.27 ft³/sk

Total Mixing Fluid: 5.61 Gal/sk

Top of Fluid: 8000 ft

Calculated Fill: 2500 ft

Volume: 85.28 bbl

Calculated Sacks: 376.12 sks

Proposed Sacks: 380 sks

Fluid 6: Water Spacer

WATER DISPLACEMENT

Fluid Density: 8.33 lbm/gal

Fluid Volume: 208.50 bbl

Fluid 7: Water Spacer

MUD DISPLACEMENT

Fluid Density: 9 lbm/gal

Fluid Volume: 191.31 bbl

DV Tool 5000 ft (MD)

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Stage 2

Fluid 1: Water Spacer

WATER AHEAD

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Water Spacer

SUPER FLUSH

Fluid Density: 9.20 lbm/gal

Fluid Volume: 20 bbl

Fluid 3: Water Spacer

WATER BEHIND

Fluid Density: 8.34 lbm/gal

Fluid Volume: 10 bbl

Fluid 4: Second Stage Lead Cement

Halliburton Hi-Fill

(NO LCM EXCEPT FLOCELE)

Fluid Weight 11 lbm/gal

Slurry Yield: 3.81 ft³/sk

Total Mixing Fluid: 24.02 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 3500 ft

Volume: 114.51 bbl

Calculated Sacks: 168.70 sks

Proposed Sacks: 170 sks

Fluid 5: Second Stage Tail Cement

Premium Cement AG300

94 lbm/sk Premium AG300 (Cement-api)

8 % Cal-Seal 60 (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 14 lbm/gal

Slurry Yield: 1.62 ft³/sk

Total Mixing Fluid: 8.21 Gal/sk

Top of Fluid: 3500 ft

Calculated Fill: 1500 ft

Volume: 50.20 bbl

Calculated Sacks: 173.56 sks

Proposed Sacks: 180 sks

Fluid 6: Water Spacer

WATER DISPLACEMENT

Fluid Density: 8.33 lbm/gal

Fluid Volume: 191.31 bbl

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Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
Stage 1					
1	Spacer	FRESH AHEAD	8.3	5.0	10 bbl
2	Spacer	SUPER FLUSH	9.2	5.0	20 bbl
3	Spacer	FRESH BEHIND	8.3	5.0	10 bbl
4	Cement	STANDARD HI-FILL	11.0	5.0	170 sks
5	Cement	50/50 POZ PREM AG300	14.2	5.0	380 sks
6	Spacer	WATER DISPLACEMENT	8.3	5.0	208.50 bbl
7	Spacer	MUD DISPLACEMENT	9.0	5.0	191.31 bbl
Stage 2					
1	Spacer	WATER AHEAD	8.3	5.0	10 bbl
2	Spacer	SUPER FLUSH	9.2	5.0	20 bbl
3	Spacer	WATER BEHIND	8.3	5.0	10 bbl
4	Cement	STANDARD HI-FILL (no LCM except Flocele)	11.0	5.0	170 sks
5	Cement	50/50 POZ PREM AG300	14.0	5.0	180 sks
6	Spacer	WATER DISPLACEMENT	8.3	5.0	191.31 bbl

Cost Estimate

Multi-Stage Cement 7" Intermediate Casing

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
392189	CMT MULTIPLE STAGES BOM	1		0.00	0.00	0.0%	0.00
	CEMENTING EQUIPMENT & SERVICES						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 10500 FT	EA	8,308.00	8,308.00	50.0%	4,154.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT" Number of Units	80 1	MI	5.28	422.40	50.0%	211.20
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	3.11	248.80	50.0%	124.40
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	962.00	962.00	50.0%	481.00
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	1,327.00	1,327.00	50.0%	663.50
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 7 IN	JOB	286.00	286.00	50.0%	143.00
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	0.00	770.00	50.0%	385.00
16115	FIELD STORAGE BIN ON SITE >8 HRS,DAY,ZI DAYS OR PARTIAL DAY(WHOLE NO.)	1 1	EA	383.00	383.00	50.0%	191.50
11941	"FIELD STORAGE BIN DELIVERY, ZI" Number of Units	40 1	MI	5.28	211.20	50.0%	105.60
	SubTotal			USD	12,918.40	50.0%	6,459.20
	CEMENTING MATERIALS						
100003639	SUPER FLUSH	40	SK	176.00	7,040.00	50.0%	3,520.00
100005049	FLOCELE	45	LB	3.24	145.80	50.0%	72.90
100003652	SALT	889	LB	0.26	231.14	50.0%	115.57
12302	50-50 POZ (PREMIUM)	380	SK	17.07	6,486.60	50.0%	3,243.30
100003646	HALAD(R)-322	188	LB	11.02	2,071.76	50.0%	1,035.88
100012233	MICROBOND M	626	LB	2.65	1,658.90	50.0%	829.45
100005050	HR-5	32	LB	6.45	206.40	50.0%	103.20
100003685	PREMIUM - CLASS G	180	SK	21.04	3,787.20	50.0%	1,893.60
100005051	CAL-SEAL 60	14	SK	65.11	911.54	50.0%	455.77
21832	HALLIBURTON HI-FILL	340	SK	38.05	12,937.00	50.0%	6,468.50
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 46.11	MI	1.81	3,338.36	50.0%	1,669.18
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	1110 1	CF	2.96	3,285.60	50.0%	1,642.80
	SubTotal			USD	42,100.30	50.0%	21,050.15
	CASING EQUIPMENT						
100004908	SHOE,FLT,7 8RD,2-3/4 SS II VLV	1	EA	501.89	501.89	45.0%	276.04
100004781	COLLAR-FLOAT- 7 8RD 17-26#/FT - 2-3/4	1	EA	619.35	619.35	45.0%	340.64
100004673	PLUG SET-FREE FALL-7"-8RD	1	EA	982.91	982.91	45.0%	540.60
100013920	CMTR,TYP ES,7 IN 8RD,20-26 LB/FT	1	EA	5,687.22	5,687.22	45.0%	3,127.97
100004479	CTRZR ASSY,API,7 CSG X 8 3/4HOLE,HNGD	25	EA	88.53	2,213.25	45.0%	1,217.29

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<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
100004626	CLAMP - LIMIT - 7 - HINGED -	1	EA	28.88	28.88	45.0%	15.88
100005045	HALLIBURTON WELD-A KIT	1	EA	38.70	38.70	45.0%	21.28
	SubTotal			USD	10,072.20	45.0%	5,539.70
	SURCHARGES						
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00	0.0%	79.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00	0.0%	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	80 1	MI	0.08	6.40	0.0%	6.40
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	80 2	MI	0.24	38.40	0.0%	38.40
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	40 46.11	MI	0.08	147.55	0.0%	147.55
372867	Cmt PSL - DOT Vehicle Charge, CMT	4	EA	130.00	520.00	0.0%	520.00
	SubTotal			USD	839.35	0.0%	839.35
	Total			USD			65,930.25
	Discount			USD			32,041.85
	Discounted Total			USD			33,888.40

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/1/2004

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Job Information**Cement 4-1/2" Production Casing**

HC 14M-6-7-22

7" Intermediate Casing	0 - 10500 ft (MD)
Outer Diameter	7.000 in
Inner Diameter	6.276 in
Linear Weight	26 lbm/ft
Casing Grade	N-80
Job Excess	0 %
6-1/8" Production Hole Section	10500 - 14425 ft (MD)
Inner Diameter	6.125 in
Job Excess	25 %
4-1/2" Production Casing	0 - 14425 ft (MD)
Outer Diameter	4.500 in
Inner Diameter	3.920 in
Linear Weight	13.50 lbm/ft
Casing Grade	P-110
Mud Type	Water Based Mud
Mud Weight	13 lbm/gal
BHST	230 degF

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Calculations**Cement 4-1/2" Production Casing**

Spacer:

$$\begin{aligned} 2689.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 0 \% &= 280.68 \text{ ft}^3 \\ \text{Total Spacer} &= 280.73 \text{ ft}^3 \\ &= 50.00 \text{ bbl} \end{aligned}$$

Spacer:

$$\begin{aligned} 269.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 0 \% &= 28.08 \text{ ft}^3 \\ \text{Total Spacer} &= 28.07 \text{ ft}^3 \\ &= 5.00 \text{ bbl} \end{aligned}$$

Cement : (4925.00 ft fill)

$$\begin{aligned} 1000.00 \text{ ft} * 0.1044 \text{ ft}^3/\text{ft} * 0 \% &= 104.38 \text{ ft}^3 \\ 3925.00 \text{ ft} * 0.0942 \text{ ft}^3/\text{ft} * 25 \% &= 462.02 \text{ ft}^3 \\ \text{Primary Cement} &= 566.40 \text{ ft}^3 \\ &= 100.88 \text{ bbl} \end{aligned}$$

Shoe Joint Volume: (42.00 ft fill)

$$\begin{aligned} 42.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 3.52 \text{ ft}^3 \\ &= 0.63 \text{ bbl} \\ \text{Tail plus shoe joint} &= 569.92 \text{ ft}^3 \\ &= 101.51 \text{ bbl} \\ \text{Total Tail} &= 393 \text{ sks} \end{aligned}$$

Total Pipe Capacity:

$$\begin{aligned} 14425.00 \text{ ft} * 0.0838 \text{ ft}^3/\text{ft} &= 1208.97 \text{ ft}^3 \\ &= 215.33 \text{ bbl} \end{aligned}$$

Displacement Volume to Shoe Joint:

$$\begin{aligned} \text{Capacity of Pipe - Shoe Joint} &= 215.33 \text{ bbl} - 0.63 \text{ bbl} \\ &= 214.70 \text{ bbl} \end{aligned}$$

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Job Recommendation

Cement 4-1/2" Production Casing

Fluid Instructions

Fluid 1: Water Based Spacer

13.5 PPG SD SPACER

344 lbm/bbl SSA-1 (Heavy Weight Additive)

Fluid Density: 13.50 lbm/gal

Fluid Volume: 50 bbl

Fluid 2: Water Spacer

FRESH BEHIND

Fluid Density: 8.34 lbm/gal

Fluid Volume: 5 bbl

Fluid 3: Primary Cement

50/50 Poz Premium AG300 (2% Gel Total)

20 % SSA-1 (Additive Material)

0.3 % Halad(R)-344 (Low Fluid Loss Control)

0.2 % HR-12 (Retarder)

0.2 % Super CBL (Gas Migration Control)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 14.20 lbm/gal

Slurry Yield: 1.45 ft³/sk

Total Mixing Fluid: 6.37 Gal/sk

Top of Fluid: 9500 ft

Calculated Fill: 4925 ft

Volume: 101.51 bbl

Calculated Sacks: 392.51 sks

Proposed Sacks: 400 sks

Fluid 4: Water Spacer

CLAYFIX II DISPLACEMENT

Fluid Density: 8.33 lbm/gal

Fluid Volume: 214.70 bbl

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Detailed Pumping Schedule

Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	13.5 PPG SD SPACER	13.5	5.0	50 bbl
2	Spacer	FRESH BEHIND	8.3	5.0	5 bbl
3	Cement	50/50 POZ PREMIUM AG300	14.2	5.0	400 sks
4	Spacer	CLAYFIX II DISPLACEMENT	8.3	6.0	214.70 bbl

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Cost Estimate

Cement 4-1/2" Production Casing

SAP Quote #0

Mtrl Nbr	Description	Qty	U/M	Unit Price	Gross Amt	Discount	Net Amt
7523	CMT PRODUCTION CASING BOM	1		0.00	0.00	0.0%	0.00
	CEMENTING EQUIPMENT & SERVICES						
16091	ZI - PUMPING CHARGE DEPTH FEET/METERS (FT/M)	1 14425 FT	EA	17,770.00	17,770.00	50.0%	8,885.00
1	"ZI-MILEAGE FROM NEAREST HES BASE,/UNIT" Number of Units	80 1	MI	5.28	422.40	50.0%	211.20
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	80 1	MI	3.11	248.80	50.0%	124.40
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB	962.00	962.00	50.0%	481.00
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI NUMBER OF UNITS	1 1	JOB	1,327.00	1,327.00	50.0%	663.50
74038	ZI PLUG CONTAINER RENTAL-1ST DAY DAYS OR FRACTION (MIN1)	1 1	EA	0.00	770.00	50.0%	385.00
90	ZI QUICK LATCH ATTACHMENT SIZE IN INCHES/MILLIMETER INCHES/MILLIMETERS (IN/MM)	1 4.5 IN	JOB	286.00	286.00	50.0%	143.00
	SubTotal			USD	21,786.20	50.0%	10,893.10
	CEMENTING MATERIALS						
133235	SD SPACER: 13.5 PPG	50	BBL	69.82	3,491.00	50.0%	1,745.50
100003729	CLAYFIX II	22	GAL	50.67	1,114.74	50.0%	557.37
100003691	SSA-1 - 200 MESH	23780	LB	0.36	8,560.80	50.0%	4,280.40
12302	50-50 POZ (PREMIUM)	400	SK	17.07	6,828.00	50.0%	3,414.00
100003670	HALAD(R)-344	99	LB	45.83	4,537.17	50.0%	2,268.58
100005057	HR-12	66	LB	5.85	386.10	50.0%	193.05
100003668	SUPER CBL	66	LB	42.21	2,785.86	50.0%	1,392.93
100005049	FLOCELE	100	LB	3.24	324.00	50.0%	162.00
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	40 29.06	MI	1.81	2,103.94	50.0%	1,051.97
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI NUMBER OF EACH	771 1	CF	2.96	2,282.16	50.0%	1,141.08
	SubTotal			USD	32,413.77	50.0%	16,206.88
	CASING EQUIPMENT						
100003140	PLUG - CMTG - TOP ALUM - 4-1/2	1	EA	127.05	127.05	45.0%	69.88
100004879	SHOE-FLOAT- 4-1/2 8RD - 2-3/4 SUPER	1	EA	346.46	346.46	45.0%	190.55
100004752	COLLAR-FLOAT- 4-1/2 8RD 9.5-13.5#/FT -	1	EA	404.60	404.60	45.0%	222.53
100004622	CLAMP - LIMIT - 4-1/2 - HINGED -	1	EA	24.26	24.26	45.0%	13.34
100004473	CENTRALIZER ASSY - API - 4-1/2 CSG X	30	EA	69.13	2,073.90	45.0%	1,140.64
100005045	HALLIBURTON WELD-A KIT	1	EA	38.70	38.70	45.0%	21.28
	SubTotal			USD	3,014.97	45.0%	1,658.22
	SURCHARGES						
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB	79.00	79.00	0.0%	79.00

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<u>Mtrl Nbr</u>	<u>Description</u>	<u>Qty</u>	<u>U/M</u>	<u>Unit Price</u>	<u>Gross Amt</u>	<u>Discount</u>	<u>Net Amt</u>
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB	48.00	48.00	0.0%	48.00
86954	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI	80	MI	0.08	6.40	0.0%	6.40
	Number of Units	1					
86955	FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI	80	MI	0.24	19.20	0.0%	19.20
	Number of Units	1					
87605	FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	80	MI	0.08	185.98	0.0%	185.98
	NUMBER OF TONS	29.06					
372867	Cmt PSL - DOT Vehicle Charge, CMT	3	EA	130.00	390.00	0.0%	390.00
	SubTotal			USD	728.58	0.0%	728.58
	Total			USD			57,943.52
	Discount			USD			28,456.74
	Discounted Total			USD			29,486.78

Primary Plant: Vernal, UT, USA
Secondary Plant: Vernal, UT, USA

Price Book Ref: 01 Western US
Price Date: 1/1/2004

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Conditions

NOTE

The cost in this analysis is good for the materials and/or services outlined within. These prices are based on Halliburton being awarded the work on a first call basis. Prices will be reviewed for adjustments if awarded on 2nd or 3rd call basis and/or after 30 days of this written analysis. This is in an effort to schedule our work and maintain a high quality of performance for our customers.

The unit prices stated in the proposal are based on our current published prices. The projected equipment, personnel, and material needs are only estimates based on information about the work presently available to us. At the time the work is actually performed, conditions then existing may require an increase or decrease in the equipment, personnel, and/or material needs. Charges will be based upon unit prices in effect at the time the work is performed and the amount of equipment, personnel, and/or material actually utilized in the work. Taxes, if any, are not included. Applicable taxes, if any, will be added to the actual invoice.

It is understood and agreed between the parties that with the exception of the subject discounts, all services performed and equipment and materials sold are provided subject to Halliburton's General Terms and Conditions contained in our current price list, (which include LIMITATION OF LIABILITY and WARRANTY provisions), and pursuant to the applicable Halliburton Work Order Contract (whether or not executed by you), unless a Master Service and/or Sales Contract applicable to the services, equipment, or materials supplied exists between your company and Halliburton, in which case the negotiated Master Contract shall govern the relationship between the parties. A copy of the latest version of our General Terms and Conditions is available from your Halliburton representative or at:

http://www.halliburton.com/hes/general_terms_conditions.pdf for your convenient review, and we would appreciate receiving any questions you may have about them. Should your company be interested in negotiating a Master Contract with Halliburton, our Law Department would be pleased to work with you to finalize a mutually agreeable contract. In this connection, it is also understood and agreed that Customer will continue to execute Halliburton usual field work orders and/or tickets customarily required by Halliburton in connection with the furnishing of said services, equipment, and materials.

Any terms and conditions contained in purchase orders or other documents issued by the customer shall be of no effect except to confirm the type and quantity of services, equipment, and materials to be supplied to the customer.

If customer does not have an approved open account with Halliburton or a mutually executed written contract with Halliburton, which dictates payment terms different than those set forth in this clause, all sums due are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice.

Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

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**QEP UINTA BASIN, INC.
HC 14M-6-7-22
573' FSL 2760' FWL
SESW, SECTION 6, T7S, R22E, SLB&M
UINTAH COUNTY, UTAH
LEASE # UTU-075939**

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the HC 14M-6-7-22 on December 20, 2004. Weather conditions were clear and cold at the time of the onsite. In attendance at the inspection were the following individuals:

Paul Buhler	Bureau of Land Management
Amy Torres	Bureau of Land Management
Jan Nelson	QEP Uinta Basin, Inc.
Kathy Mergens	QEP Uinta Basin, Inc.

1. Existing Roads:

The proposed well site is approximately 20 miles southwest of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

There will be no improvements made to existing access roads.

2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

New access roads on BLM surface will be 30' in width crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the road bed will be performed as necessary to provide a well constructed, safe road.

3. Location of Existing Wells Within a 1 – Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Refer to Topo Map D for the location of the proposed pipeline.

A containment dike will be constructed completely around those production facilities which contains fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The use of topsoil of the construction of dikes will not be allowed. All loading lines will be placed inside the berm surrounding tank battery. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

A right-of-way will be required for the part of the pipeline that travels off lease in Section 7, T7S, R22E. The part of pipeline that goes off lease is +/- 2385' in length 20' in width, 3" steel zaplocked gas surface line. Pipeline will be zaplocked on location and drug into place.

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5. Location and Type of Water Supply:

Fresh water for drilling purposes will be obtained from Wonsits Valley Water Right #36125, or Red Wash Right #49-2153.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized. Any gravel will be obtained from a commercial source. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility with 120 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order #7, all produced water will be contained in tanks on location and then hauled to Wonsits Valley location in SWNW section 12, T8S, R21E; or Red Wash Disposal Well located in NESW, Section 28, T7S, R22E; or, Red Wash Central Battery Disposal located in SWSE, Section 27, T7S, R23E. Pit reclamation for lined pit will be ruptured when emptied to allow the remaining liquid to be adequately mixed and to promote additional drying of the pit area.

8. Ancillary Facilities:

None anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A Pit liner is required felt if rock encountered.

10. Plans for Reclamation of the Surface:

Topsoil will be stripped and salvaged to provide for sufficient quantities to be respread to a depth of at least 4 to 6 inches over the disturbed areas to be reclaimed. Topsoil shall be stock piled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting.

Seed mix # 6

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11. Surface Ownership:

The well pad and access road are located on lands owned by:

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(435) 781-4400

12. Other Information

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

There is a Golden Eagle Stipulation from February 1st to July 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

There is a Red Tail Hawk Stipulation from April 1st to July 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

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Lessee's or Operator's Representative:

Jan Nelson
Red Wash Rep.
Qep Uinta Basin, Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4331

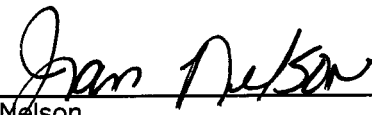
Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP Uinta Basin, Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



Jan Nelson
Red Wash Representative

27-Dec-04

Date

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QUESTAR EXPLR. & PROD.

HC #14M-6-7-22

LOCATED IN UINTAH COUNTY, UTAH
SECTION 6, T7S, R22E, S.L.B.&M.

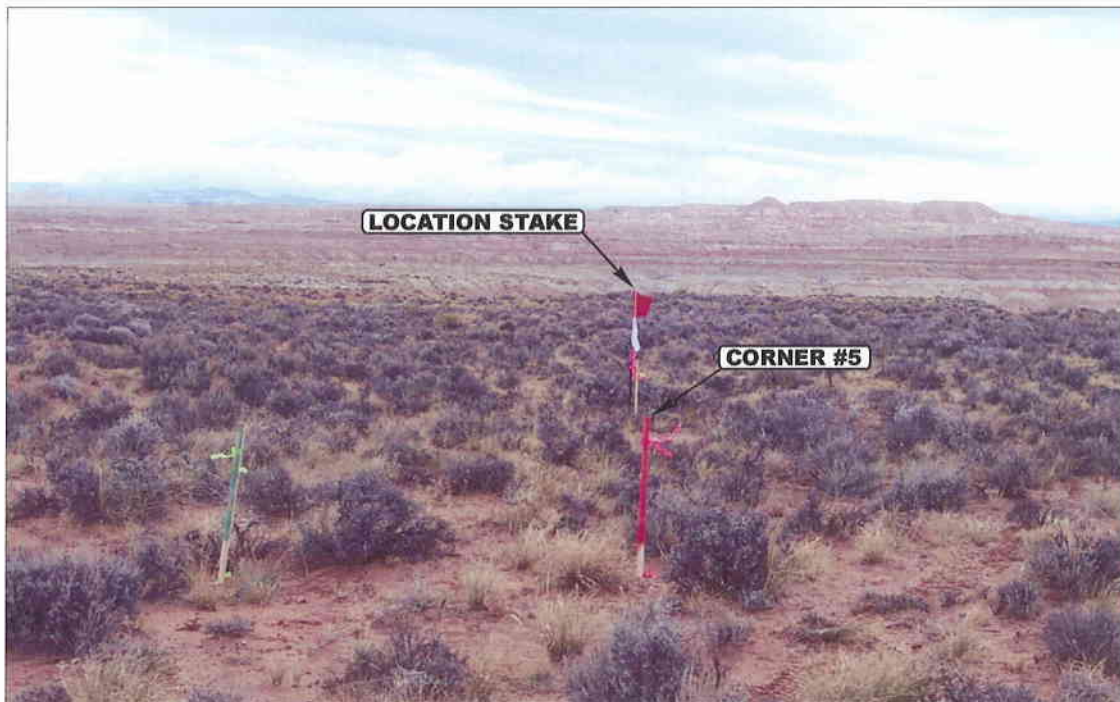


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

10 19 04
MONTH DAY YEAR

PHOTO

TAKEN BY: D.A.

DRAWN BY: L.K.

REVISED: 00-00-00

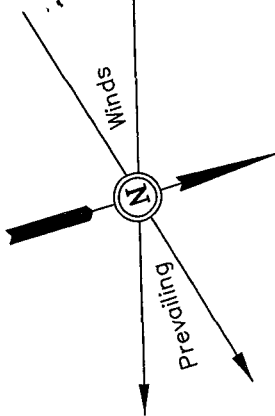
CONFIDENTIAL

QUESTAR EXPLR. & PROD.

FIGURE #1

LOCATION LAYOUT FOR

HC #14M-6-7-22
SECTION 6, T7S, R22E, S.L.B.&M.
573' FSL 2760' FWL



SCALE: 1" = 50'
DATE: 10-20-04
Drawn By: C.G.

CONSTRUCT
DIVERSION
DITCH

NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.

Approx.
Top of
Cut Slope

FLARE PIT
Pit Topsoil
C-3.5'
El. 82.0'

El. 83.8'
C-17.3'
(btm. pit)

Total Pit Capacity
W/2' of Freeboard
= 10,610 Bbbls. ±
Total Pit Volume
= 2,870 Cu. Yds.

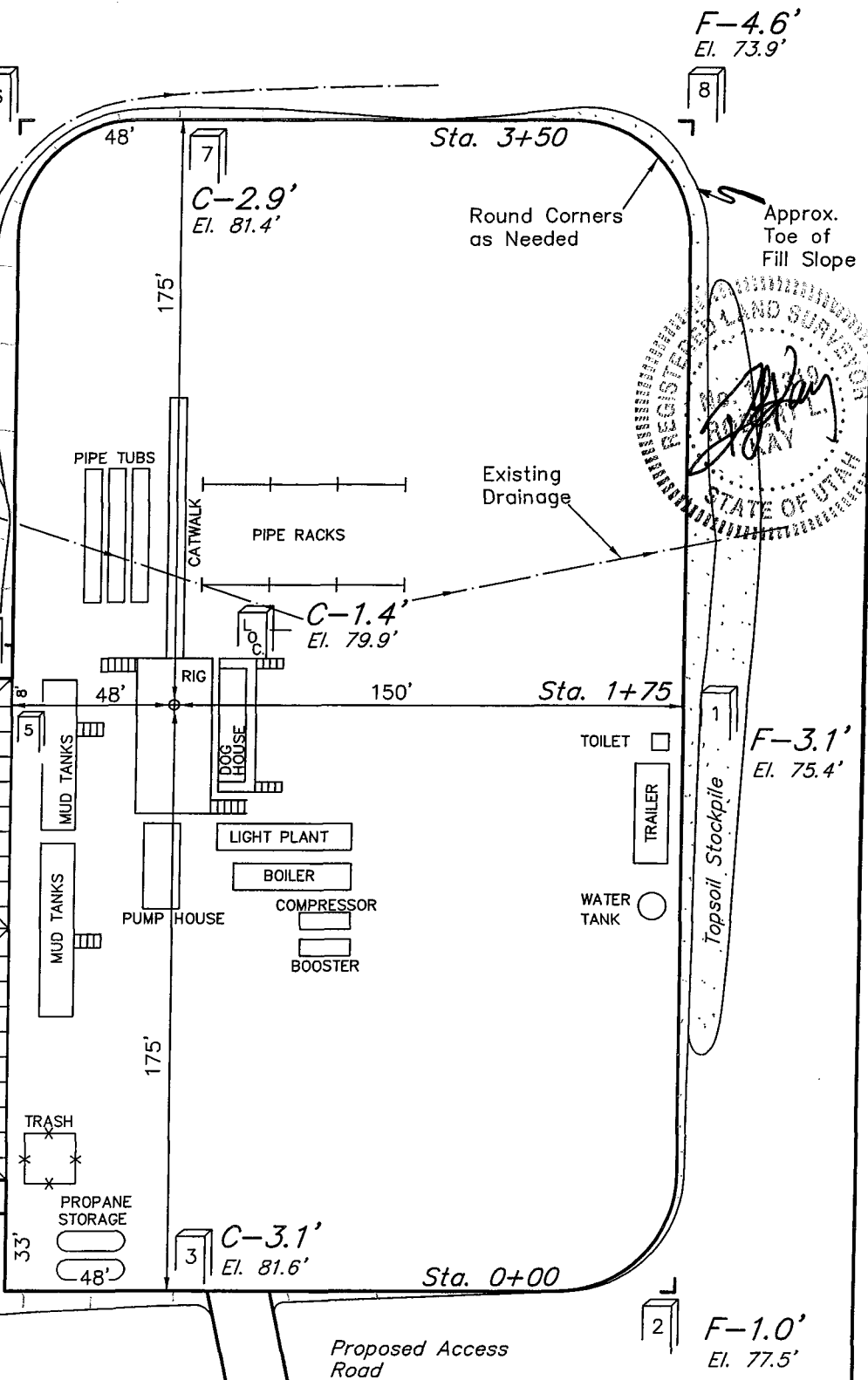
70'
150'
10' WIDE BENCH
RESERVE PITS
(12' Deep)
SLOPE 1-1/2 : 1
Sta. 0+51

El. 85.5'
C-19.0'
(btm. pit)

C-4.7'
El. 83.2'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4979.9'
FINISHED GRADE ELEV. AT LOC. STAKE = 4978.5'



UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

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QUESTAR EXPLR. & PROD.

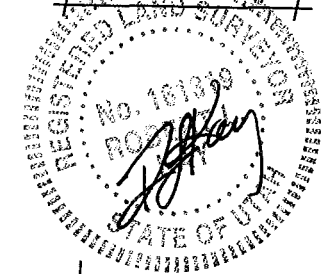
TYPICAL CROSS SECTIONS FOR

HC #14M-6-7-22

SECTION 6, T7S, R22E, S.L.B.&M.

573' FSL 2760' FWL

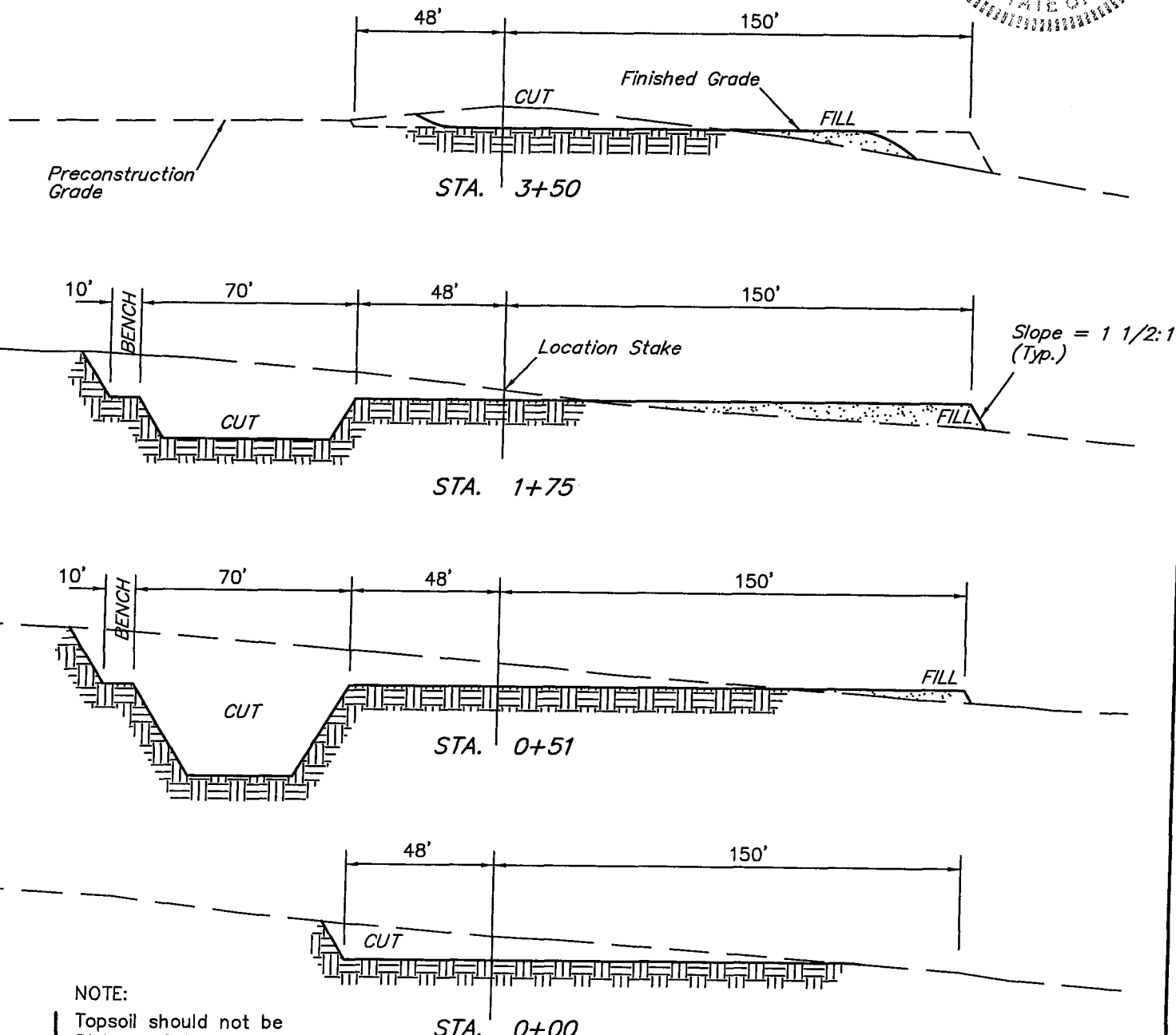
FIGURE #2



1" = 20'
X-Section
Scale
1" = 50'

DATE: 10-20-04

Drawn By: C.G.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,690 Cu. Yds.

Remaining Location = 7,970 Cu. Yds.

TOTAL CUT = 9,660 CU.YDS.

FILL = 2,930 CU.YDS.

EXCESS MATERIAL = 6,730 Cu. Yds.

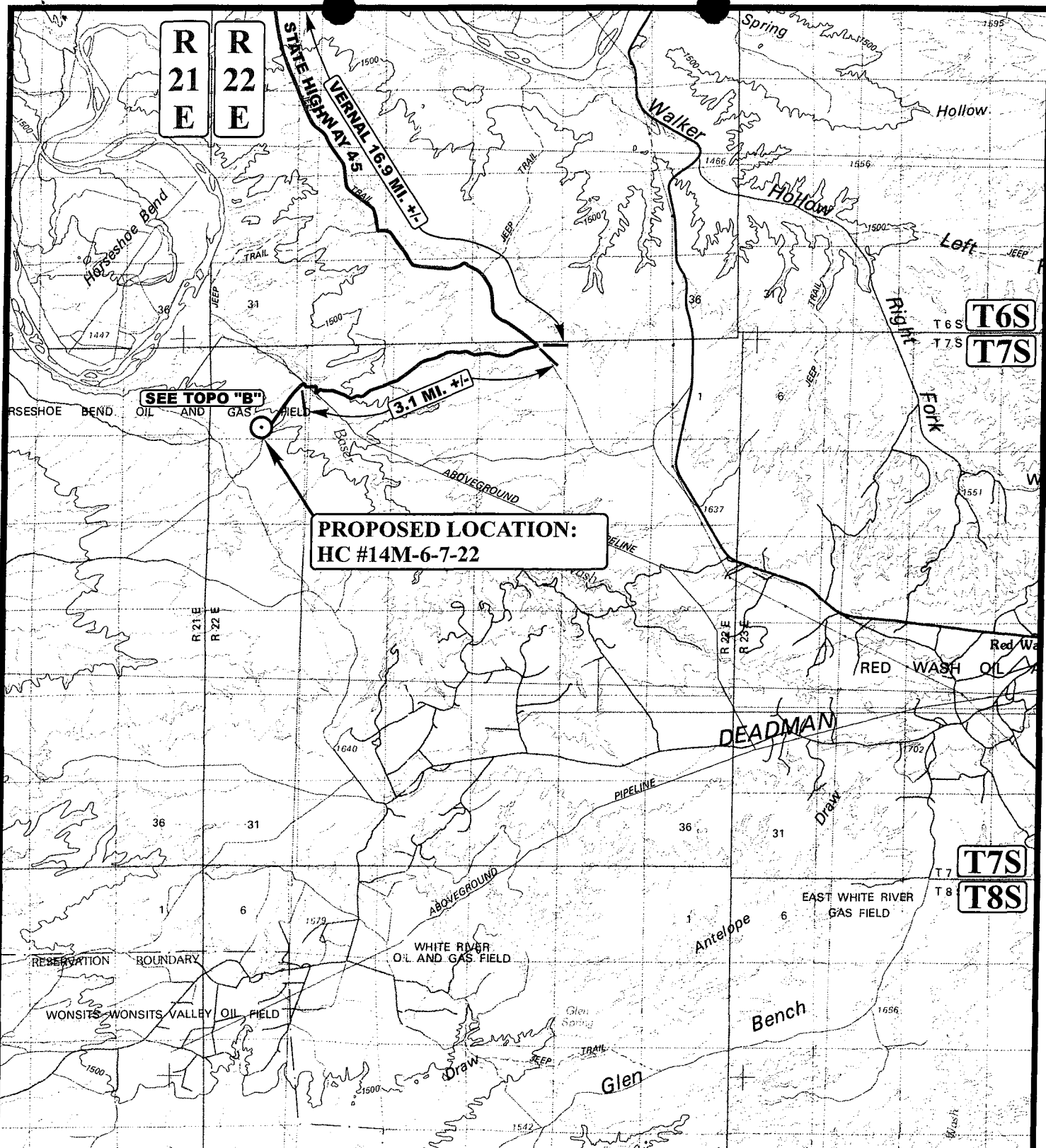
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,130 Cu. Yds.

EXCESS UNBALANCE (After Rehabilitation) = 3,600 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

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LEGEND:

○ PROPOSED LOCATION



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



QUESTAR EXPLR. & PROD.

HC #14M-6-7-22
 SECTION 6, T7S, R22E, S.L.B.&M.
 573' FSL 2760' FWL

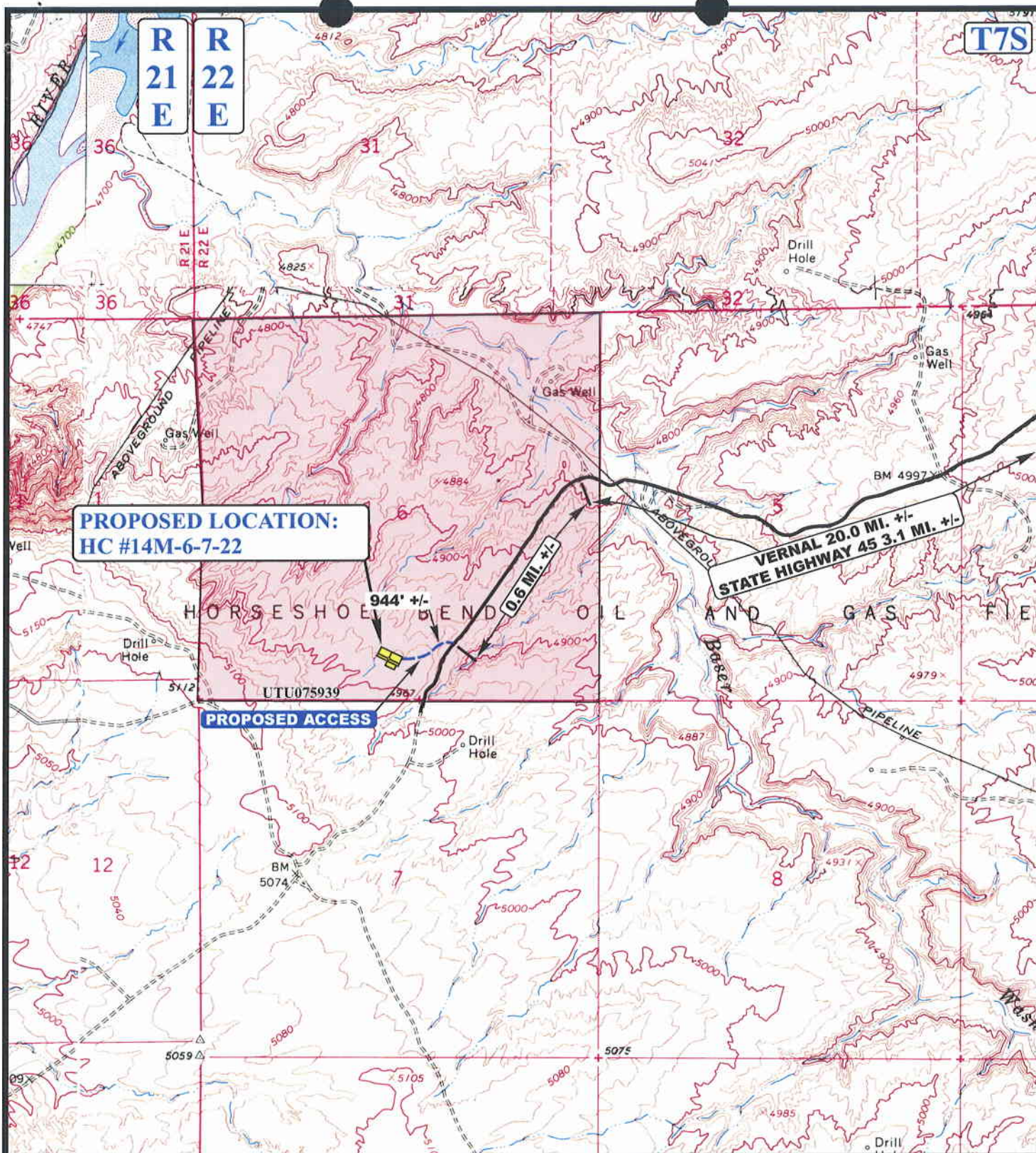
TOPOGRAPHIC
 MAP

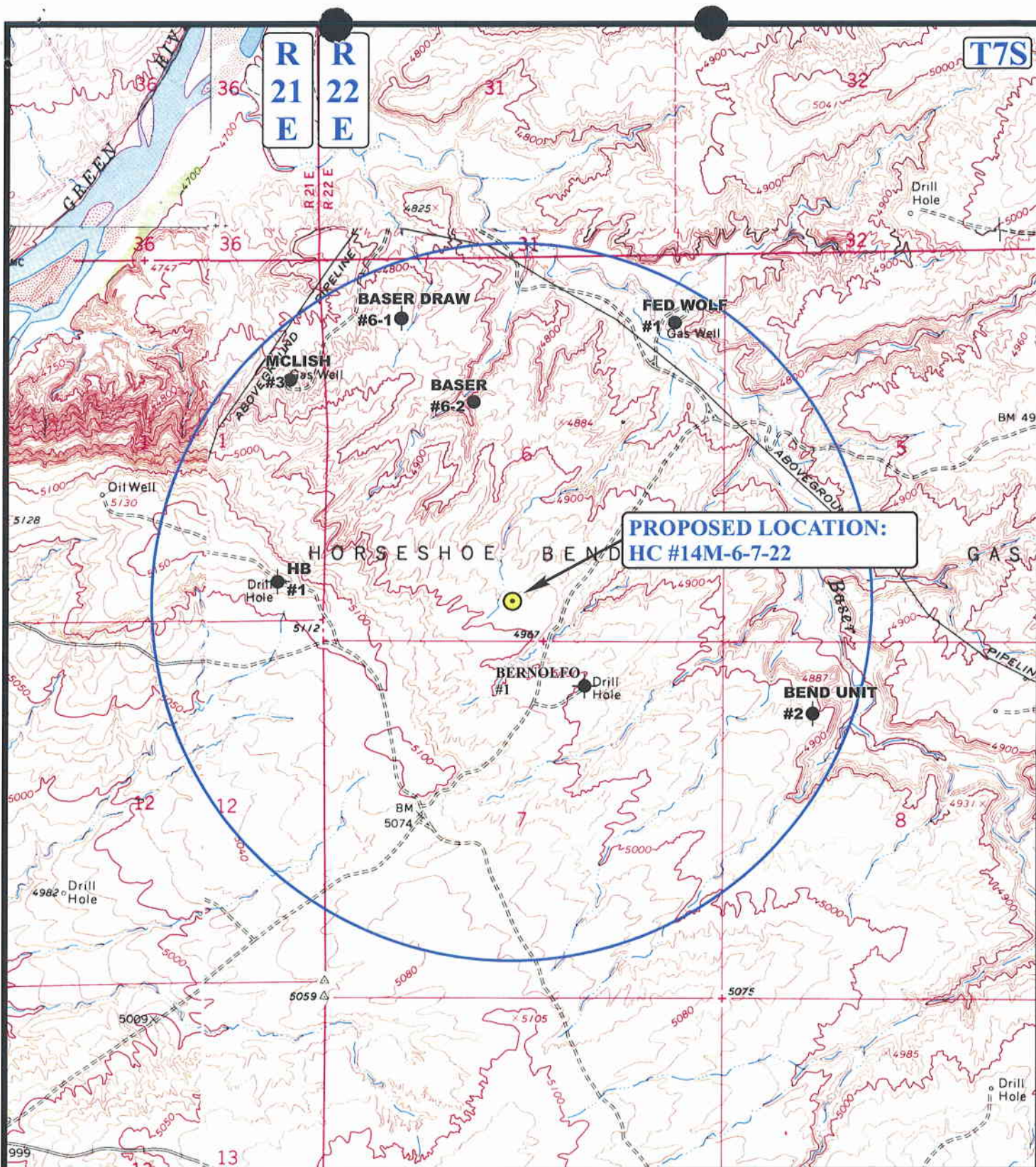
10 19 04
 MONTH DAY YEAR

SCALE: 1:100,000 | DRAWN BY: L.K. | REVISED: 00-00-00



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LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ⊗ ABANDONED WELLS |
| ⊗ SHUT IN WELLS | ⊗ TEMPORARILY ABANDONED |

QUESTAR EXPLORATION & PRODUCTION

HC #14M-6-7-22
SECTION 6, T7S, R22E, S.L.B.&M.
573' FSL 2760' FWL



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

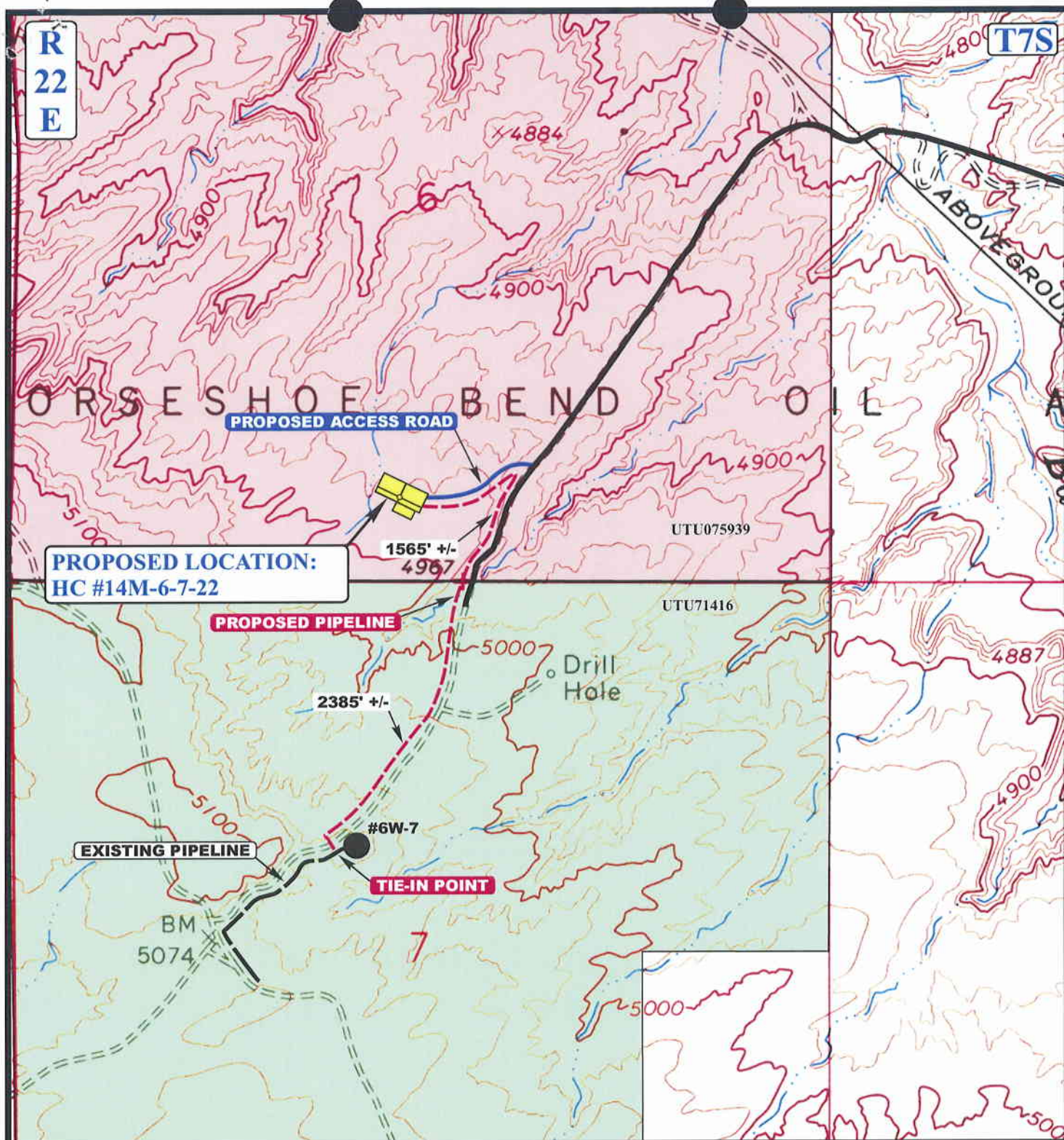
TOPOGRAPHIC
MAP

10 19 04
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00



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APPROXIMATE TOTAL PIPELINE DISTANCE = 3950' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - PROPOSED PIPELINE

QUESTAR EXPLR. & PROD.

HC #14M-6-7-22
SECTION 6, T7S, R22E, S.L.B.&M.
573' FSL 2760' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

10 19 04
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: L.K.

REVISED: 00-00-00

D
TOPO

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WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/28/2004

API NO. ASSIGNED: 43-047-36198

WELL NAME: HC 14M-6-7-22

OPERATOR: QEP UINTA BASIN, INC. (N2460)

CONTACT: JAN NELSON

PHONE NUMBER: 435-781-4331

PROPOSED LOCATION:

SESW 06 070S 220E

SURFACE: 0573 FSL 2760 FWL

BOTTOM: 0573 FSL 2760 FWL

UINTAH

HORSESHOE BEND (620)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-075939

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCSB

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.23478

LONGITUDE: -109.4839

RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit
(No. 49-2153)☒ RDCC Review (Y/N)
(Date:)☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit

☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

Drilling Unit

Board Cause No:

Eff Date:

Siting:

R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Federal Approved
 2- Spacing Snp



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

December 30, 2004

QEP Uinta Basin, Inc.
11002 E 17500 S
Vernal, UT 84078

Re: HC-14M-6-7-22 Well, 573' FSL, 2760' FWL, SE SW, Sec. 6, T. 7 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36198.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: QEP Uinta Basin, Inc.
Well Name & Number HC-14M-6-7-22
API Number: 43-047-36198
Lease: UTU-075939

Location: SE SW Sec. 6 T. 7 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTDEC 28 2004
SUBMIT IN TRIPLICATE*FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK

DRILL ☒DEEPEN ☐

TYPE OF WELL

☐☒☐SINGLE
ZONEMULTIPLE
ZONE

OIL WELL

GAS WELL

OTHER

2. NAME OF OPERATOR

QEP UINTA BASIN, INC.

Contact: Jan Nelson

E-Mail: jan.nelson@questar.com

3. ADDRESS

11002 E. 17500 S. Vernal, Ut 84078

Telephone number

Phone 435-781-4331 Fax 435-781-4323

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)

At Surface

573' FSL 2760' FWL SESW SEC. 6

At proposed production zone

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*

24 +/- FROM VERNAL, UTAH

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(also to nearest drig, unit line if any)

573' +/-

18. DISTANCE FROM PROPOSED location to nearest well, drilling,
completed, applied for, on this lease, ft

2000' +/-

21. ELEVATIONS (Show whether DF, RT, GR, ect.)

4978.5 GR

16. NO. OF ACRES IN LEASE

1144.98

19. PROPOSED DEPTH

14400

22. DATE WORK WILL START

ASAP

5. LEASE DESIGNATION AND SERIAL NO.

UTU-075939

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

HC 14M-6-7-22

9. API WELL NO.

43-047-36198

10. FIELD AND POOL, OR WILDCAT

UNDESIGNATED

11. SEC., T, R, M, OR BLK & SURVEY OR AREA

SEC 6 T7S R22E Mer SLB

12. COUNTY OR PARISH

Uintah

13. STATE

UT

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. BLM/BIA Bond No. on file

ESB000024

23. Estimated duration

10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan

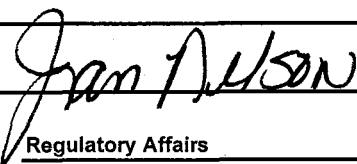
3. A surface Use Plan (if location is on National Forest System Lands,
the SUPO shall be filed with the appropriate Forest Service Office).4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized officer.

NOTICE OF APPROVAL

SIGNED



Name (printed/typed) Jan Nelson

DATE December 27, 2004

TITLE

Regulatory Affairs

(This space for Federal or State office use)

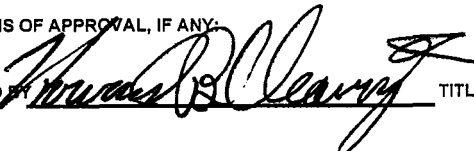
PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify the applicant holds any legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY



TITLE

Assistant Field Manager
Mineral Resources

*See Instructions On Reverse Side

DATE

05/26/2005

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

United States any false, fictitious or fraudulent statements or representations as to any matter within the jurisdiction of

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

JUN 03 2005

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

05LW0617AE

NOS 12/14/04

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Operator/Company: QEP Uinta Basin Inc.
Well Name/Number: HC 14M -06 -07 - 22
API Number: 43-047-36198
Location: SESW Sec Tship Rng.: 06, T7S, R22E
Lease Number: UTU-075939
Agreement Name (If Applicable): N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874
Petroleum Engineer

Michael Lee (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

Company/Operator: QEP, Uinta Basin, Inc

API Number 43-047-36198

Well Name & Number: 14M-6-7-22

Lease number: U-75939

Location: SESW Sec, 6, T.7S. R. 22E.

Surface Ownership: BLM

Date NOS Received 12/14/04

Date APD Received: 12/30/04

Conditions for Approval are in the APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

2. NAME OF OPERATOR:

QEP UINTA BASIN, INC

3. ADDRESS OF OPERATOR:

11002 E. 17500 S.

CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-4331

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-075939

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

N/A

8. WELL NAME and NUMBER:

HC 14M-6-7-22

9. API NUMBER:

4304736198

10. FIELD AND POOL, OR WILDCAT:

HORSESHOE BEND

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 573' FSL 2760' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 6 7S 22E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP, Uinta Basin, Inc. hereby requests a 1 year extension on the HC 14M-6-7-22.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 01-19-06

By: [Signature]

COPY SENT TO OPERATOR

Date: 1-24-06

By: [Signature]

NAME (PLEASE PRINT) Jan Nelson

TITLE Regulatory Affairs

SIGNATURE

[Signature]

DATE 1/7/2006

(This space for State use only)

RECEIVED
JAN 12 2006

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36198
Well Name: HC 14M-6-7-22
Location: 573' FSL 2760' FWL SESW SEC. 6, T7S, R22E
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 12/30/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

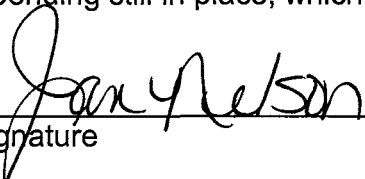
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐



Signature

1/7/2006

Date

Title: REGULATORY AFFAIRS

Representing: QEP UINTA BASIN, INC

RECEIVED
JAN 12 2006
DIV. OF OIL, GAS & MINING

<p>Form 3160-5 (November 1994)</p> <p style="text-align: center;">UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT</p> <p style="text-align: center;">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p style="text-align: center;"><i>Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i></p>		<p style="text-align: center; font-size: 2em; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-weight: bold;">APR 26 2006</p> <p>FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996</p>																															
<p>SUBMIT IN TRIPLICATE - Other Instructions on reverse side</p>		<p>5. Lease Serial No. UTU-075939</p> <p>6. If Indian, Allottee or Tribe Name N/A</p> <p>7. If Unit or CA/Agreement, Name and/or No. N/A</p> <p>8. Well Name and No. HC 14M-6-7-22</p> <p>9. API Well No. 43-047-36198</p> <p>10. Field and Pool, or Exploratory Area HORSESHOE BEND</p> <p>11. County or Parish, State Utah</p>																															
<p>1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other </p> <p>2. Name of Operator QEP Uinta Basin, Inc. <i>Contact: Jan Nelson</i> </p> <p>3a. Address 11002 East 17500 South, Vernal, UT 84078 </p> <p>3b. Phone No. (include area code) 435-781-4331 </p> <p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 573' FSL 2760' FWL, SESW, SEC. 6, T7S, R22E. </p>		<p>12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">TYPE OF SUBMISSION</th> <th colspan="4">TYPE OF ACTION</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> Notice of Intent</td> <td><input type="checkbox"/> Acidize</td> <td><input type="checkbox"/> Deepen</td> <td><input type="checkbox"/> Production (Start/Resume)</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Subsequent Report</td> <td><input type="checkbox"/> Alter Casing</td> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Reclamation</td> <td><input type="checkbox"/> Well Integrity</td> </tr> <tr> <td><input type="checkbox"/> Final Abandonment Notice</td> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> New Construction</td> <td><input type="checkbox"/> Recomplete</td> <td><input checked="" type="checkbox"/> Other</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Change Plans</td> <td><input type="checkbox"/> Plug and Abandon</td> <td><input type="checkbox"/> Temporarily Abandon</td> <td>APD EXTENSION</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Convert to Injection</td> <td><input type="checkbox"/> Plug Back</td> <td><input type="checkbox"/> Water Disposal</td> <td></td> </tr> </tbody> </table> <p>13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)</p>		TYPE OF SUBMISSION	TYPE OF ACTION				<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other		<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	APD EXTENSION		<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	
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<p>QEP Uinta Basin, Inc., hereby requests a 1 year extension on the APD for the HC 14M-6-7-22.</p> <p>BLM APD approval date: 5-26-05.</p> <div style="text-align: center; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY CONDITIONS OF APPROVAL ATTACHED</p> </div>																																	
<p>14. I hereby certify that the foregoing is true and correct</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Name (Printed/Typed) Jan Nelson</td> <td style="width:50%;">Title Regulatory Affairs</td> </tr> <tr> <td>Signature </td> <td>Date April 25, 2006</td> </tr> </table> <p style="text-align: center; font-weight: bold; margin-top: 10px;">THIS SPACE FOR FEDERAL OR STATE USE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Approved by Michael Lee</td> <td style="width:50%;">Title Petroleum Engineer</td> </tr> <tr> <td colspan="2" style="text-align: right;">Date MAY 05 2006</td> </tr> </table> <p>Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.</p> <p>Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.</p> <p>(Instructions on reverse)</p>				Name (Printed/Typed) Jan Nelson	Title Regulatory Affairs	Signature 	Date April 25, 2006	Approved by Michael Lee	Title Petroleum Engineer	Date MAY 05 2006																							
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UDOGM

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36198
Well Name: HC 14M-6-7-22
Location: 573' FSL 2760' FWL, SESW, SEC. 6, T7S, R22E.
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 5/26/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

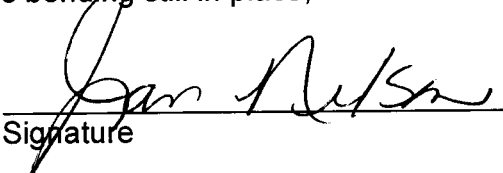
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Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

4/25/2006
Date

Title: REGULATORY AFFAIRS

Representing: QEP UINTA BASIN, INC.

RECEIVED

MAY 26 2006

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL

QEP
Notice of Intent
APD Extension

Lease: U-075939
Well: HC 14M-6-7-22 (43-047-36198)
Location: SESW Sec. 6, T7S, R22E

An extension for the referenced APD is granted with the following condition(s):

1. The extension and APD will expire on 5/26/2007
2. No other extensions beyond that period will be granted or allowed.

If you have any other questions concerning this matter, please contact Michael Lee of this office at (435) 781-4432.

2006-05-05

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2007

FROM: (Old Operator):

N2460-QEP Uinta Basin, Inc.
1050 17th St, Suite 500
Denver, CO 80265

Phone: 1 (303) 672-6900

TO: (New Operator):

N5085-Questar E&P Company
1050 17th St, Suite 500
Denver, CO 80265

Phone: 1 (303) 672-6900

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- 4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
FEDERAL 2-29-7-22	FEDERAL 2-29-7-22	NESW	29	070S	220E	4304715423	5266	Federal	GW	S
UTAH FED D-1	UTAH FED D-1	SWSW	14	070S	240E	4304715936	10699	Federal	GW	S
UTAH FED D-2	UTAH FED D-2	NESW	25	070S	240E	4304715937	9295	Federal	GW	S
PRINCE 1	PRINCE 1	SWSW	10	070S	240E	4304716199	7035	Federal	GW	P
UTAH FED D-4	UTAH FED D-4	SWSE	14	070S	240E	4304731215	9297	Federal	GW	S
FZ BB 1	BRENNAN FZ-BB1	NESE	20	070S	210E	4304731805	10952	Federal	GW	TA
EAST COYOTE FED 14-4-8-25	EAST COYOTE FED 14-4-8-25	SESW	04	080S	250E	4304732493	11630	Federal	OW	P
F S PRINCE 4	PRINCE 4	SWSW	03	070S	240E	4304732677	7035	Federal	OW	P
GYPSUM HILLS 21	GH 21 WG	SWSW	21	080S	210E	4304732692	11819	Federal	GW	P
SAGE GROUSE FED 6-14-8-22	OU SG 6 14 8 22	SESW	14	080S	220E	4304732746	11944	Federal	GW	P
GYPSUM HILLS 22WG	GH 22 WG	SWNW	22	080S	210E	4304732818	12336	Federal	GW	P
SAGE GROUSE 12A-14-8-22	SAGE GROUSE 12A-14-8-22	NWSW	14	080S	220E	4304733177	12524	Federal	GW	S
OU GB 12W-20-8-22	OU GB 12W-20-8-22	NWSW	20	080S	220E	4304733249	13488	Federal	GW	P
GBU 15-18-8-22	OU GB 15 18 8 22	SWSE	18	080S	220E	4304733364	12690	Federal	GW	P
GLEN BENCH FED 3W-17-8-22	OU GB 3W 17 8 22	NENW	17	080S	220E	4304733513	12950	Federal	GW	P
GLEN BENCH FED 5W-17-8-22	OU GB 5W 17 8 22	SWNW	17	080S	220E	4304733514	12873	Federal	GW	P
WV FED 9W-8-8-22	WV 9W 8 8 22	NESE	08	080S	220E	4304733515	13395	Federal	GW	P
GB FED 9W-18-8-22	OU GB 9W 18 8 22	NESE	18	080S	220E	4304733516	12997	Federal	GW	P
OU GB 3W-20-8-22	OU GB 3W-20-8-22	NENW	20	080S	220E	4304733526	13514	Federal	GW	P
GLEN BENCH 12W-30-8-22	OU GB 12W 30 8 22	NWSW	30	080S	220E	4304733670	13380	Federal	GW	P
WV FU 10W-8-8-22	WV 10W 8 8 22	NWSE	08	080S	220E	4304733814	13450	Federal	GW	P
GH 7W-21-8-21	GH 7W-21-8-21	SWNE	21	080S	210E	4304733845	13050	Federal	GW	P
GH 9W-21-8-21	GH 9W-21-8-21	NESE	21	080S	210E	4304733846	13074	Federal	GW	P
GH 11W-21-8-21	GH 11W-21-8-21	NESW	21	080S	210E	4304733847	13049	Federal	GW	P
GH 15W-21-8-21	GH 15W-21-8-21	SWSE	21	080S	210E	4304733848	13051	Federal	GW	P
WV 7W-22-8-21	WV 7W-22-8-21	SWNE	22	080S	210E	4304733907	13230	Federal	GW	P
WV 9W-23-8-21	WV 9W-23-8-21	NESE	23	080S	210E	4304733909	13160	Federal	GW	P
GHU 14W-20-8-21	GH 14W 20 8 21	SESW	20	080S	210E	4304733915	13073	Federal	GW	P
GB 4W-30-8-22	OU GB 4W 30 8 22	NWNW	30	080S	220E	4304733945	13372	Federal	GW	P
GB 9W-19-8-22	OU GB 9W 19 8 22	NESE	19	080S	220E	4304733946	13393	Federal	GW	P
GB 10W-30-8-22	OU GB 10W 30 8 22	NWSE	30	080S	220E	4304733947	13389	Federal	GW	P
GB 12W-19-8-22	OU GB 12W 19 8 22	NWSW	19	080S	220E	4304733948	13388	Federal	GW	P
GB 9W-25-8-21	GB 9W-25-8-21	NESE	25	080S	210E	4304733960	13390	Federal	GW	P
WV 1W-5-8-22	SU 1W 5 8 22	NENE	05	080S	220E	4304733985	13369	Federal	GW	P
WV 3W-5-8-22	SU 3W 5 8 22	NENW	05	080S	220E	4304733987	13321	Federal	OW	S
WV 7W-5-8-22	SU 7W 5 8 22	SWNE	05	080S	220E	4304733988	13235	Federal	GW	P
WV 9W-5-8-22	SU 9W 5 8 22	NESE	05	080S	220E	4304733990	13238	Federal	GW	P
WV 11W-5-8-22	SU 11W 5 8 22	NESW	05	080S	220E	4304733992	13239	Federal	GW	S
WV 13W-5-8-22	SU 13W 5 8 22	SWSW	05	080S	220E	4304733994	13236	Federal	GW	S
WV 15W-5-8-22	SU 15W 5 8 22	SWSE	05	080S	220E	4304733996	13240	Federal	GW	P
WV 8W-8-8-22	WV 8W-8-8-22	SENE	08	080S	220E	4304734005	13320	Federal	GW	P
WV 14W-8-8-22	WV 14W-8-8-22	SESW	08	080S	220E	4304734007	13322	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU GB 6W-20-8-22	OU GB 6W-20-8-22	SENW	20	080S	220E	4304734018	13518	Federal	GW	P
GB 5W-30-8-22	OU GB 5W 30 8 22	SWNW	30	080S	220E	4304734025	13502	Federal	GW	P
GB 11W-20-8-22	OU GB 11W 20 8 22	NESW	20	080S	220E	4304734039	13413	Federal	GW	P
OU GB 4W-20-8-22	OU GB 4W-20-8-22	NWNW	20	080S	220E	4304734043	13520	Federal	GW	P
GH 5W-21-8-21	GH 5W-21-8-21	SWNW	21	080S	210E	4304734147	13387	Federal	GW	P
GH 6W-21-8-21	GH 6W-21-8-21	SENW	21	080S	210E	4304734148	13371	Federal	GW	P
GH 8W-21-8-21	GH 8W-21-8-21	SENE	21	080S	210E	4304734149	13293	Federal	GW	P
GH 10W-20-8-21	GH 10W-20-8-21	NWSE	20	080S	210E	4304734151	13328	Federal	GW	P
GH 10W-21-8-21	GH 10W-21-8-21	NWSE	21	080S	210E	4304734152	13378	Federal	GW	P
GH 12W-21-8-21	GH 12W-21-8-21	NWSW	21	080S	210E	4304734153	13294	Federal	GW	P
GH 14W-21-8-21	GH 14W-21-8-21	SESW	21	080S	210E	4304734154	13292	Federal	GW	P
GH 16W-21-8-21	GH 16W-21-8-21	SESE	21	080S	210E	4304734157	13329	Federal	GW	P
GB 5W-20-8-22	OU GB 5W 20 8 22	SWNW	20	080S	220E	4304734209	13414	Federal	GW	P
WV 6W-22-8-21	WV 6W-22-8-21	SENW	22	080S	210E	4304734272	13379	Federal	GW	P
GH 1W-20-8-21	GH 1W-20-8-21	NENE	20	080S	210E	4304734327	13451	Federal	GW	P
GH 2W-20-8-21	GH 2W-20-8-21	NWNE	20	080S	210E	4304734328	13527	Federal	GW	P
GH 3W-20-8-21	GH 3W-20-8-21	NENW	20	080S	210E	4304734329	13728	Federal	GW	P
GH 7W-20-8-21	GH 7W-20-8-21	SWNE	20	080S	210E	4304734332	13537	Federal	GW	P
GH 9W-20-8-21	GH 9W-20-8-21	NESE	20	080S	210E	4304734333	13411	Federal	GW	P
GH 11W-20-8-21	GH 11W-20-8-21	NESW	20	080S	210E	4304734334	13410	Federal	GW	P
GH 15W-20-8-21	GH 15W-20-8-21	SWSE	20	080S	210E	4304734335	13407	Federal	GW	P
GH 16W-20-8-21	GH 16W-20-8-21	SESE	20	080S	210E	4304734336	13501	Federal	GW	P
WV 12W-23-8-21	WV 12W-23-8-21	NWSW	23	080S	210E	4304734343	13430	Federal	GW	P
OU GB 13W-20-8-22	OU GB 13W-20-8-22	SWSW	20	080S	220E	4304734348	13495	Federal	GW	P
OU GB 14W-20-8-22	OU GB 14W-20-8-22	SESW	20	080S	220E	4304734349	13507	Federal	GW	P
OU GB 11W-29-8-22	OU GB 11W-29-8-22	NESW	29	080S	220E	4304734350	13526	Federal	GW	P
WV 11G-5-8-22	WVX 11G 5 8 22	NESW	05	080S	220E	4304734388	13422	Federal	OW	P
WV 13G-5-8-22	WVX 13G 5 8 22	SWSW	05	080S	220E	4304734389	13738	Federal	OW	P
WV 15G-5-8-22	WVX 15G 5 8 22	SWSE	05	080S	220E	4304734390	13459	Federal	OW	P
SU BRENNAN W 15W-18-7-22	SU BRENNAN W 15W-18-7-22	SWSE	18	070S	220E	4304734403	13442	Federal	GW	TA
STIRRUP U 16W-5-8-22	SU 16W 5 8 22	SESE	05	080S	220E	4304734446	13654	Federal	GW	P
STIRRUP U 2W-5-8-22	SU 2W 5 8 22	NWNE	05	080S	220E	4304734455	13700	Federal	GW	P
WV 10W-5-8-22	SU 10W 5 8 22	NWSE	05	080S	220E	4304734456	13540	Federal	GW	P
WV 16W-8-8-22	WV 16W-8-8-22	SESE	08	080S	220E	4304734470	13508	Federal	GW	P
GB 16WX-30-8-22	OU GB 16WX 30 8 22	SESE	30	080S	220E	4304734506	13431	Federal	GW	P
OU GB 1W-19-8-22	OU GB 1W-19-8-22	NENE	19	080S	220E	4304734512	13469	Federal	GW	P
OU GB 2W-19-8-22	OU GB 2W-19-8-22	NWNE	19	080S	220E	4304734513	13461	Federal	GW	P
OU GB 5W-19-8-22	OU GB 5W-19-8-22	SWNW	19	080S	220E	4304734514	13460	Federal	GW	P
OU GB 7W-19-8-22	OU GB 7W-19-8-22	SWNE	19	080S	220E	4304734515	13462	Federal	GW	P
OU GB 8W-19-8-22	OU GB 8W-19-8-22	SENE	19	080S	220E	4304734516	13489	Federal	GW	P
OU GB 11W-19-8-22	OU GB 11W-19-8-22	NESW	19	080S	220E	4304734517	13467	Federal	GW	P
OU GB 16W-19-8-22	OU GB 16W-19-8-22	SESE	19	080S	220E	4304734522	13476	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
GB 1W-30-8-22	OU GB 1W 30 8 22	NENE	30	080S	220E	4304734528	13487	Federal	GW	P
GB 3W-30-8-22	OU GB 3W 30 8 22	NENW	30	080S	220E	4304734529	13493	Federal	GW	P
GB 6W-30-8-22	OU GB 6W 30 8 22	SENE	30	080S	220E	4304734530	13519	Federal	GW	P
GB 7W-30-8-22	OU GB 7W 30 8 22	SWNE	30	080S	220E	4304734531	13494	Federal	GW	P
GB 8W-30-8-22	OU GB 8W 30 8 22	SENE	30	080S	220E	4304734532	13483	Federal	GW	P
GB 9W-30-8-22	OU GB 9W 30 8 22	NESE	30	080S	220E	4304734533	13500	Federal	GW	P
OU GB 6W-19-8-22	OU GB 6W-19-8-22	SENE	19	080S	220E	4304734534	13475	Federal	GW	P
OU GB 10W-19-8-22	OU GB 10W-19-8-22	NWSE	19	080S	220E	4304734535	13479	Federal	GW	P
OU GB 13W-19-8-22	OU GB 13W-19-8-22	SWSW	19	080S	220E	4304734536	13478	Federal	GW	P
OU GB 14W-19-8-22	OU GB 14W-19-8-22	SESW	19	080S	220E	4304734537	13484	Federal	GW	P
OU GB 15W-19-8-22	OU GB 15W-19-8-22	SWSE	19	080S	220E	4304734538	13482	Federal	GW	P
OU GB 12W-17-8-22	OU GB 12W-17-8-22	NWSW	17	080S	220E	4304734542	13543	Federal	GW	P
OU GB 6W-17-8-22	OU GB 6W-17-8-22	SENE	17	080S	220E	4304734543	13536	Federal	GW	P
OU GB 13W-17-8-22	OU GB 13W-17-8-22	SWSW	17	080S	220E	4304734544	13547	Federal	GW	P
OU GB 6W-29-8-22	OU GB 6W-29-8-22	SENE	29	080S	220E	4304734545	13535	Federal	GW	P
OU GB 3W-29-8-22	OU GB 3W-29-8-22	NENW	29	080S	220E	4304734546	13509	Federal	GW	P
OU GB 13W-29-8-22	OU GB 13W-29-8-22	SWSW	29	080S	220E	4304734547	13506	Federal	GW	P
OU GB 4W-29-8-22	OU GB 4W-29-8-22	NWNW	29	080S	220E	4304734548	13534	Federal	GW	P
OU GB 5W-29-8-22	OU GB 5W-29-8-22	SWNW	29	080S	220E	4304734549	13505	Federal	GW	P
OU GB 14W-17-8-22	OU GB 14W-17-8-22	SESW	17	080S	220E	4304734550	13550	Federal	GW	P
OU GB 11W-17-8-22	OU GB 11W-17-8-22	NESW	17	080S	220E	4304734553	13671	Federal	GW	P
OU GB 14W-29-8-22	OU GB 14W-29-8-22	SESW	29	080S	220E	4304734554	13528	Federal	GW	P
OU GB 2W-17-8-22	OU GB 2W-17-8-22	NWNE	17	080S	220E	4304734559	13539	Federal	GW	P
OU GB 7W-17-8-22	OU GB 7W-17-8-22	SWNE	17	080S	220E	4304734560	13599	Federal	GW	P
OU GB 16W-18-8-22	OU GB 16W-18-8-22	SESE	18	080S	220E	4304734563	13559	Federal	GW	P
OU GB 1W-29-8-22	OU GB 1W-29-8-22	NENE	29	080S	220E	4304734573	13562	Federal	GW	P
OU GB 7W-29-8-22	OU GB 7W-29-8-22	SWNE	29	080S	220E	4304734574	13564	Federal	GW	P
OU GB 8W-29-8-22	OU GB 8W-29-8-22	SENE	29	080S	220E	4304734575	13609	Federal	GW	S
OU GB 9W-29-8-22	OU GB 9W-29-8-22	NESE	29	080S	220E	4304734576	13551	Federal	GW	P
OU GB 10W-29-8-22	OU GB 10W-29-8-22	NWSE	29	080S	220E	4304734577	13594	Federal	GW	P
OU GB 15W-29-8-22	OU GB 15W-29-8-22	SWSE	29	080S	220E	4304734578	13569	Federal	GW	P
OU GB 2W-20-8-22	OU GB 2W-20-8-22	NWNE	20	080S	220E	4304734599	13664	Federal	GW	P
OU GB 2W-29-8-22	OU GB 2W-29-8-22	NWNE	29	080S	220E	4304734600	13691	Federal	GW	P
OU GB 15W-17-8-22	OU GB 15W-17-8-22	SWSE	17	080S	220E	4304734601	13632	Federal	GW	P
OU GB 16W-17-8-22	OU GB 16W-17-8-22	SESE	17	080S	220E	4304734602	13639	Federal	GW	P
OU GB 16W-29-8-22	OU GB 16W-29-8-22	SESE	29	080S	220E	4304734603	13610	Federal	GW	P
OU GB 1W-20-8-22	OU GB 1W-20-8-22	NENE	20	080S	220E	4304734604	13612	Federal	GW	P
OU GB 1W-17-8-22	OU GB 1W-17-8-22	NENE	17	080S	220E	4304734623	13701	Federal	GW	P
OU GB 9W-17-8-22	OU GB 9W-17-8-22	NESE	17	080S	220E	4304734624	13663	Federal	GW	P
OU GB 10W-17-8-22	OU GB 10W-17-8-22	NWSE	17	080S	220E	4304734625	13684	Federal	GW	P
OU GB 9W-20-8-22	OU GB 9W-20-8-22	NESE	20	080S	220E	4304734630	13637	Federal	GW	P
OU GB 10W-20-8-22	OU GB 10W-20-8-22	NWSE	20	080S	220E	4304734631	13682	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU GB 15W-20-8-22	OU GB 15W-20-8-22	SWSE	20	080S	220E	4304734632	13613	Federal	GW	P
WIH 15MU-21-8-22	OU WIH 15MU 21 8 22	SWSE	21	080S	220E	4304734634	13991	Federal	GW	P
OU WIH 13W-21-8-22	OU WIH 13W-21-8-22	SWSW	21	080S	220E	4304734646	13745	Federal	GW	P
OU GB 11W-15-8-22	OU GB 11W-15-8-22	NESW	15	080S	220E	4304734648	13822	Federal	GW	P
OU GB 13W-9-8-22	OU GB 13W-9-8-22	SWSW	09	080S	220E	4304734654	13706	Federal	GW	P
OU WIH 14W-21-8-22	OU WIH 14W-21-8-22	SESW	21	080S	220E	4304734664	13720	Federal	GW	P
OU GB 12WX-29-8-22	OU GB 12WX-29-8-22	NWSW	29	080S	220E	4304734668	13555	Federal	GW	P
OU WIH 10W-21-8-22	OU WIH 10W-21-8-22	NWSE	21	080S	220E	4304734681	13662	Federal	GW	P
OU GB 4G-21-8-22	OU GB 4G-21-8-22	NWNW	21	080S	220E	4304734685	13772	Federal	OW	P
OU GB 3W-21-8-22	OU GB 3W-21-8-22	NENW	21	080S	220E	4304734686	13746	Federal	GW	P
OU GB 16SG-30-8-22	OU GB 16SG-30-8-22	SESE	30	080S	220E	4304734688	13593	Federal	GW	S
OU WIH 7W-21-8-22	OU WIH 7W-21-8-22	SWNE	21	080S	220E	4304734689	13716	Federal	GW	P
OU GB 5W-21-8-22	OU GB 5W-21-8-22	SWNW	21	080S	220E	4304734690	13770	Federal	GW	P
WIH 1MU-21-8-22	WIH 1MU-21-8-22	NENE	21	080S	220E	4304734693	14001	Federal	GW	P
OU GB 5G-19-8-22	OU GB 5G-19-8-22	SWNW	19	080S	220E	4304734695	13786	Federal	OW	P
OU GB 7W-20-8-22	OU GB 7W-20-8-22	SWNE	20	080S	220E	4304734705	13710	Federal	GW	P
OU SG 14W-15-8-22	OU SG 14W-15-8-22	SESW	15	080S	220E	4304734710	13821	Federal	GW	P
OU SG 15W-15-8-22	OU SG 15W-15-8-22	SWSE	15	080S	220E	4304734711	13790	Federal	GW	P
OU SG 16W-15-8-22	OU SG 16W-15-8-22	SESE	15	080S	220E	4304734712	13820	Federal	GW	P
OU SG 4W-15-8-22	OU SG 4W-15-8-22	NWNW	15	080S	220E	4304734713	13775	Federal	GW	P
OU SG 12W-15-8-22	OU SG 12W-15-8-22	NWSW	15	080S	220E	4304734714	13838	Federal	GW	P
OU GB 5MU-15-8-22	OU GB 5MU-15-8-22	SWNW	15	080S	220E	4304734715	13900	Federal	GW	P
OU SG 8W-15-8-22	OU SG 8W-15-8-22	SENE	15	080S	220E	4304734717	13819	Federal	GW	P
OU SG 9W-15-8-22	OU SG 9W-15-8-22	NESE	15	080S	220E	4304734718	13773	Federal	GW	P
OU SG 10W-15-8-22	OU SG 10W-15-8-22	NWSE	15	080S	220E	4304734719	13722	Federal	GW	P
OU SG 2MU-15-8-22	OU SG 2MU-15-8-22	NWNE	15	080S	220E	4304734721	13887	Federal	GW	P
OU SG 7W-15-8-22	OU SG 7W-15-8-22	SWNE	15	080S	220E	4304734722	13920	Federal	GW	P
OU GB 14SG-29-8-22	OU GB 14SG-29-8-22	SESW	29	080S	220E	4304734743	14034	Federal	GW	P
OU GB 16SG-29-8-22	OU GB 16SG-29-8-22	SESE	29	080S	220E	4304734744	13771	Federal	GW	P
OU GB 13W-10-8-22	OU GB 13W-10-8-22	SWSW	10	080S	220E	4304734754	13774	Federal	GW	P
OU GB 6MU-21-8-22	OU GB 6MU-21-8-22	SENE	21	080S	220E	4304734755	14012	Federal	GW	P
OU SG 10W-10-8-22	OU SG 10W-10-8-22	NWSE	10	080S	220E	4304734764	13751	Federal	GW	P
OU GB 14M-10-8-22	OU GB 14M-10-8-22	SESW	10	080S	220E	4304734768	13849	Federal	GW	P
OU SG 9W-10-8-22	OU SG 9W-10-8-22	NESE	10	080S	220E	4304734783	13725	Federal	GW	P
OU SG 16W-10-8-22	OU SG 16W-10-8-22	SESE	10	080S	220E	4304734784	13781	Federal	GW	P
GB 3M-27-8-21	GB 3M-27-8-21	NENW	27	080S	210E	4304734900	14614	Federal	GW	P
WVX 11D-22-8-21	WVX 11D-22-8-21	NESW	22	080S	210E	4304734902	14632	Federal	GW	DRL
GB 11M-27-8-21	GB 11M-27-8-21	NESW	27	080S	210E	4304734952	13809	Federal	GW	P
GB 9D-27-8-21	GB 9D-27-8-21	NESE	27	080S	210E	4304734956	14633	Federal	GW	DRL
GB 1D-27-8-21	GB 1D-27-8-21	NENE	27	080S	210E	4304734957	14634	Federal	GW	DRL
WRU EIH 2M-35-8-22	WRU EIH 2M-35-8-22	NWNE	35	080S	220E	4304735052	13931	Federal	GW	P
GYPSUM HILLS 12MU-20-8-21	GH 12MU 20 8 21	NWSW	20	080S	210E	4304735069	14129	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
OU SG 4W-11-8-22	OU SG 4W-11-8-22	NWNW	11	080S	220E	4304735071	14814	Federal	GW	DRL
OU SG 5W-11-8-22	OU SG 5W-11-8-22	SWNW	11	080S	220E	4304735072	14815	Federal	GW	DRL
OU SG 6W-11-8-22	SG 6ML 11 8 22	SENE	11	080S	220E	4304735073	14825	Federal	GW	P
OU SG 5MU-14-8-22	OU SG 5MU-14-8-22	SWNW	14	080S	220E	4304735076	13989	Federal	GW	P
OU SG 6MU-14-8-22	OU SG 6MU-14-8-22	SENE	14	080S	220E	4304735077	14128	Federal	GW	P
SG 12MU-14-8-22	SG 12MU-14-8-22	NWSW	14	080S	220E	4304735078	13921	Federal	GW	P
OU SG 13MU-14-8-22	OU SG 13MU-14-8-22	SWSW	14	080S	220E	4304735079	13990	Federal	GW	P
OU SG 9MU-11-8-22	OU SG 9MU-11-8-22	NESE	11	080S	220E	4304735091	13967	Federal	GW	P
SG 11SG-23-8-22	SG 11SG-23-8-22	NESW	23	080S	220E	4304735099	13901	Federal	GW	S
OU SG 14W-11-8-22	OU SG 14W-11-8-22	SESW	11	080S	220E	4304735114	14797	Federal	GW	DRL
SG 5MU-23-8-22	SG 5MU-23-8-22	SWNW	23	080S	220E	4304735115	14368	Federal	GW	P
SG 6MU-23-8-22	SG 6MU-23-8-22	SENE	23	080S	220E	4304735116	14231	Federal	GW	P
SG 14MU-23-8-22	SG 14MU-23-8-22	SESW	23	080S	220E	4304735117	14069	Federal	GW	P
SG 13MU-23-8-22	SG 13MU-23-8-22	SWSW	23	080S	220E	4304735190	14103	Federal	GW	P
WH 7G-10-7-24	WH 7G-10-7-24	SWNE	10	070S	240E	4304735241	14002	Federal	GW	P
GB 4D-28-8-21	GB 4D-28-8-21	NWNW	28	080S	210E	4304735246	14645	Federal	GW	P
GB 7M-28-8-21	GB 7M-28-8-21	SWNE	28	080S	210E	4304735247	14432	Federal	GW	P
GB 14M-28-8-21	GB 14M-28-8-21	SESW	28	080S	210E	4304735248	13992	Federal	GW	P
SG 11MU-23-8-22	SG 11MU-23-8-22	NESW	23	080S	220E	4304735257	13973	Federal	GW	P
SG 15MU-14-8-22	SG 15MU-14-8-22	SWSE	14	080S	220E	4304735328	14338	Federal	GW	P
EIHX 14MU-25-8-22	EIHX 14MU-25-8-22	SESW	25	080S	220E	4304735330	14501	Federal	GW	P
EIHX 11MU-25-8-22	EIHX 11MU-25-8-22	NESW	25	080S	220E	4304735331	14470	Federal	GW	P
NBE 12ML-10-9-23	NBE 12ML-10-9-23	NWSW	10	090S	230E	4304735333	14260	Federal	GW	P
NBE 13ML-17-9-23	NBE 13ML-17-9-23	SWSW	17	090S	230E	4304735334	14000	Federal	GW	P
NBE 4ML-26-9-23	NBE 4ML-26-9-23	NWNW	26	090S	230E	4304735335	14215	Federal	GW	P
SG 7MU-11-8-22	SG 7MU-11-8-22	SWNE	11	080S	220E	4304735374	14635	Federal	GW	P
SG 1MU-11-8-22	SG 1MU-11-8-22	NENE	11	080S	220E	4304735375	14279	Federal	GW	P
OU SG 13W-11-8-22	OU SG 13W-11-8-22	SWSW	11	080S	220E	4304735377	14796	Federal	GW	DRL
SG 3MU-11-8-22	SG 3MU-11-8-22	NENW	11	080S	220E	4304735379	14978	Federal	GW	P
SG 8MU-11-8-22	SG 8MU-11-8-22	SENE	11	080S	220E	4304735380	14616	Federal	GW	P
SG 2MU-11-8-22	SG 2MU-11-8-22	NWNE	11	080S	220E	4304735381	14636	Federal	GW	P
SG 10MU-11-8-22	SG 10MU-11-8-22	NWSE	11	080S	220E	4304735382	14979	Federal	GW	P
OU GB 8MU-10-8-22	OU GB 8MU-10-8-22	SENE	10	080S	220E	4304735422	15321	Federal	GW	DRL
EIHX 2MU-25-8-22	EIHX 2MU-25-8-22	NWNE	25	080S	220E	4304735427	14666	Federal	GW	P
EIHX 1MU-25-8-22	EIHX 1MU-25-8-22	NENE	25	080S	220E	4304735428	14705	Federal	GW	P
EIHX 7MU-25-8-22	EIHX 7MU-25-8-22	SWNE	25	080S	220E	4304735429	14682	Federal	GW	P
EIHX 8MU-25-8-22	EIHX 8MU-25-8-22	SENE	25	080S	220E	4304735430	14706	Federal	GW	P
EIHX 9MU-25-8-22	EIHX 9MU-25-8-22	NESE	25	080S	220E	4304735433	14558	Federal	GW	P
EIHX 16MU-25-8-22	EIHX 16MU-25-8-22	SESE	25	080S	220E	4304735434	14502	Federal	GW	P
EIHX 15MU-25-8-22	EIHX 15MU-25-8-22	SWSE	25	080S	220E	4304735435	14571	Federal	GW	P
EIHX 10MU-25-8-22	EIHX 10MU-25-8-22	NWSE	25	080S	220E	4304735436	14537	Federal	GW	P
GB 3MU-3-8-22	GB 3MU-3-8-22	NENW	03	080S	220E	4304735457	14575	Federal	GW	P

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
NBE 15M-17-9-23	NBE 15M-17-9-23	SWSE	17	090S	230E	4304735463	14423	Federal	GW	P
NBE 7ML-17-9-23	NBE 7ML-17-9-23	SWNE	17	090S	230E	4304735464	14232	Federal	GW	P
NBE 3ML-17-9-23	NBE 3ML-17-9-23	NENW	17	090S	230E	4304735465	14276	Federal	GW	P
NBE 11M-17-9-23	NBE 11M-17-9-23	NESW	17	090S	230E	4304735466	14431	Federal	GW	P
NBE 10ML-10-9-23	NBE 10ML-10-9-23	NWSE	10	090S	230E	4304735650	14377	Federal	GW	P
NBE 6ML-10-9-23	NBE 6ML-10-9-23	SENE	10	090S	230E	4304735651	14422	Federal	GW	P
NBE 12ML-17-9-23	NBE 12ML-17-9-23	NWSW	17	090S	230E	4304735652	14278	Federal	GW	P
NBE 6ML-26-9-23	NBE 6ML-26-9-23	SENE	26	090S	230E	4304735664	14378	Federal	GW	P
NBE 11ML-26-9-23	NBE 11ML-26-9-23	NESW	26	090S	230E	4304735665	14340	Federal	GW	P
NBE 15ML-26-9-23	NBE 15ML-26-9-23	SWSE	26	090S	230E	4304735666	14326	Federal	GW	P
SG 4MU-23-8-22	SG 4MU-23-8-22	NWNW	23	080S	220E	4304735758	14380	Federal	GW	P
RWS 8ML-14-9-24	RWS 8ML-14-9-24	SENE	14	090S	240E	4304735803	14539	Federal	GW	S
SG 11MU-14-8-22	SG 11MU-14-8-22	NESW	14	080S	220E	4304735829	14486	Federal	GW	P
RB DS FED 1G-7-10-18	RB DS FED 1G-7-10-18	NENE	07	100S	180E	4304735932	14457	Federal	OW	S
RB DS FED 14G-8-10-18	RB DS FED 14G-8-10-18	SESW	08	100S	180E	4304735933	14433	Federal	OW	P
OU SG 14MU-14-8-22	OU SG 14MU-14-8-22	SESW	14	080S	220E	4304735950	14479	Federal	GW	P
COY 10ML-14-8-24	COY 10ML-14-8-24	NWSE	14	080S	240E	4304736038		Federal	GW	APD
COY 12ML-24-8-24	COY 12ML-24-8-24	NWSW	24	080S	240E	4304736039	14592	Federal	OW	P
WIH 1AMU-21-8-22	WIH 1AMU-21-8-22	NENE	21	080S	220E	4304736060	14980	Federal	GW	P
NBE 4ML-10-9-23	NBE 4ML-10-9-23	NWNW	10	090S	230E	4304736098	15732	Federal	GW	P
NBE 8ML-10-9-23	NBE 8ML-10-9-23	SENE	10	090S	230E	4304736099	15733	Federal	GW	P
NBE 16ML-10-9-23	NBE 16ML-10-9-23	SESE	10	090S	230E	4304736100	14728	Federal	GW	P
NBE 8ML-12-9-23	NBE 8ML-12-9-23	SENE	12	090S	230E	4304736143	15859	Federal	GW	DRL
WH 12G-11-7-24	WH 12G-11-7-24	NWSW	11	070S	240E	4304736195		Federal	GW	APD
HC 16M-6-7-22	HC 16M-6-7-22	SESE	06	070S	220E	4304736197		Federal	GW	APD
HC 14M-6-7-22	HC 14M-6-7-22	SESW	06	070S	220E	4304736198		Federal	GW	APD
WWT 8ML-25-8-24	WWT 8ML-25-8-24	SENE	25	080S	240E	4304736199		Federal	GW	APD
GB 16D-28-8-21	GB 16D-28-8-21	SESE	28	080S	210E	4304736260	14981	Federal	GW	P
WH 7G-3-7-24	WH 7G-3-7-24	SWNE	03	070S	240E	4304736347		Federal	GW	APD
NBE 5ML-10-9-23	NBE 5ML-10-9-23	SWNW	10	090S	230E	4304736353	15227	Federal	GW	P
NBE 7ML-10-9-23	NBE 7ML-10-9-23	SWNE	10	090S	230E	4304736355	15850	Federal	GW	DRL
NBE 3ML-10-9-23	NBE 3ML-10-9-23	NENW	10	090S	230E	4304736356	15393	Federal	GW	P
WH 4G-10-7-24	WH 4G-10-7-24	NWNW	10	070S	240E	4304736359		Federal	GW	APD
EIHX 4MU-36-8-22	EIHX 4MU-36-8-22	NWNW	36	080S	220E	4304736444	14875	Federal	GW	P
EIHX 3MU-36-8-22	EIHX 3MU-36-8-22	NENW	36	080S	220E	4304736445	14860	Federal	GW	P
EIHX 2MU-36-8-22	EIHX 2MU-36-8-22	NWNE	36	080S	220E	4304736446	14840	Federal	GW	P
EIHX 1MU-36-8-22	EIHX 1MU-36-8-22	NENE	36	080S	220E	4304736447	14861	Federal	GW	P
WWT 2ML-24-8-24	WWT 2ML-24-8-24	NWNE	24	080S	240E	4304736515		Federal	GW	APD
RWS 1ML-1-9-24	RWS 1ML-1-9-24	NENE	01	090S	240E	4304736517		Federal	GW	APD
RWS 3ML-1-9-24	RWS 3ML-1-9-24	NENW	01	090S	240E	4304736518		Federal	GW	APD
RWS 9ML-1-9-24	RWS 9ML-1-9-24	NESE	01	090S	240E	4304736519		Federal	GW	APD
RWS 15ML-1-9-24	RWS 15ML-1-9-24	SWSE	01	090S	240E	4304736521		Federal	GW	APD

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
BSW 1ML-12-9-24	BSW 1ML-12-9-24	NENE	12	090S	240E	4304736522		Federal	GW	APD
BSW 11ML-13-9-24	BSW 11ML-13-9-24	NESW	13	090S	240E	4304736523		Federal	GW	APD
NBE 7ML-26-9-23	NBE 7ML-26-9-23	SWNE	26	090S	230E	4304736587	16008	Federal	GW	DRL
NBE 8ML-26-9-23	NBE 8ML-26-9-23	SENE	26	090S	230E	4304736588	15689	Federal	GW	P
NBE 1ML-26-9-23	NBE 1ML-26-9-23	NENE	26	090S	230E	4304736589	15880	Federal	GW	DRL
NBE 2ML-26-9-23	NBE 2ML-26-9-23	NWNE	26	090S	230E	4304736590	15898	Federal	GW	DRL
NBE 3ML-26-9-23	NBE 3ML-26-9-23	NENW	26	090S	230E	4304736591	15906	Federal	GW	DRL
NBE 5ML-26-9-23	NBE 5ML-26-9-23	SWNW	26	090S	230E	4304736592	15839	Federal	GW	DRL
NBE 9ML-10-9-23	NBE 9ML-10-9-23	NESE	10	090S	230E	4304736593	15438	Federal	GW	P
NBE 11ML-10-9-23	NBE 11ML-10-9-23	NESW	10	090S	230E	4304736594	15228	Federal	GW	P
NBE 15ML-10-9-23	NBE 15ML-10-9-23	SWSE	10	090S	230E	4304736595	15439	Federal	GW	P
NBE 1ML-12-9-23	NBE 1ML-12-9-23	NENE	12	090S	230E	4304736613		Federal	GW	APD
NBE 2ML-17-9-23	NBE 2ML-17-9-23	NWNE	17	090S	230E	4304736614	15126	Federal	GW	P
NBE 4ML-17-9-23	NBE 4ML-17-9-23	NWNW	17	090S	230E	4304736615	15177	Federal	GW	P
NBE 6ML-17-9-23	NBE 6ML-17-9-23	SENW	17	090S	230E	4304736616	15127	Federal	GW	P
NBE 10ML-17-9-23	NBE 10ML-17-9-23	NWSE	17	090S	230E	4304736617	15128	Federal	GW	P
NBE 14ML-17-9-23	NBE 14ML-17-9-23	SESW	17	090S	230E	4304736618	15088	Federal	GW	P
NBE 9ML-26-9-23	NBE 9ML-26-9-23	NESE	26	090S	230E	4304736619	15322	Federal	GW	P
NBE 10D-26-9-23	NBE 10D-26-9-23	NWSE	26	090S	230E	4304736620	15975	Federal	GW	DRL
NBE 12ML-26-9-23	NBE 12ML-26-9-23	NWSW	26	090S	230E	4304736621	15840	Federal	GW	DRL
NBE 13ML-26-9-23	NBE 13ML-26-9-23	SWSW	26	090S	230E	4304736622	15690	Federal	GW	P
NBE 14ML-26-9-23	NBE 14ML-26-9-23	SESW	26	090S	230E	4304736623	15262	Federal	GW	P
NBE 16ML-26-9-23	NBE 16ML-26-9-23	SESE	26	090S	230E	4304736624	15735	Federal	GW	P
RWS 13ML-14-9-24	RWS 13ML-14-9-24	SWSW	14	090S	240E	4304736737		Federal	GW	APD
RWS 12ML-14-9-24	RWS 12ML-14-9-24	NWSW	14	090S	240E	4304736738		Federal	GW	APD
SG 3MU-23-8-22	SG 3MU-23-8-22	SESW	14	080S	220E	4304736940	15100	Federal	GW	P
NBE 5ML-17-9-23	NBE 5ML-17-9-23	SWNW	17	090S	230E	4304736941	15101	Federal	GW	P
WWT 2ML-25-8-24	WWT 2ML-25-8-24	NWNE	25	080S	240E	4304737301		Federal	GW	APD
WWT 1ML-25-8-24	WWT 1ML-25-8-24	NENE	25	080S	240E	4304737302		Federal	GW	APD
HK 15ML-19-8-25	HK 15ML-19-8-25	SWSE	19	080S	250E	4304737303		Federal	GW	APD
WT 13ML-19-8-25	WT 13ML-19-8-25	SWSW	19	080S	250E	4304737304		Federal	GW	APD
HK 3ML-29-8-25	HK 3ML-29-8-25	NENW	29	080S	250E	4304737305		Federal	GW	APD
HK 5ML-29-8-25	HK 5ML-29-8-25	SWNW	29	080S	250E	4304737330		Federal	GW	APD
HK 2ML-30-8-25	HK 2ML-30-8-25	NWNE	30	080S	250E	4304737331		Federal	GW	APD
HK 5ML-30-8-25	HK 5ML-30-8-25	SWNW	30	080S	250E	4304737332		Federal	GW	APD
HK 10ML-30-8-25	HK 10ML-30-8-25	NWSE	30	080S	250E	4304737333		Federal	GW	APD
HK 14ML-30-8-25	HK 14ML-30-8-25	SESW	30	080S	250E	4304737334		Federal	GW	APD
HK 6ML-30-8-25	HK 6ML-30-8-25	SENW	30	080S	250E	4304737348		Federal	GW	APD
HK 8ML-30-8-25	HK 8ML-30-8-25	SENE	30	080S	250E	4304737349		Federal	GW	APD
WWT 7ML-25-8-24	WWT 7ML-25-8-24	SWNE	25	080S	240E	4304737407		Federal	GW	APD
WWT 9ML-25-8-24	WWT 9ML-25-8-24	NESE	25	080S	240E	4304737408		Federal	GW	APD
WWT 10ML-25-8-24	WWT 10ML-25-8-24	NWSE	25	080S	240E	4304737409		Federal	GW	APD

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WWT 15ML-25-8-24	WWT 15ML-25-8-24	SWSE	25	080S	240E	4304737410		Federal	GW	APD
BBS 15G-22-7-21	BBS 15G-22-7-21	SWSE	22	070S	210E	4304737443	15688	Federal	OW	P
WWT 15ML-13-8-24	WWT 15ML-13-8-24	SWSE	13	080S	240E	4304737524		Federal	GW	APD
WWT 16ML-13-8-24	WWT 16ML-13-8-24	SESE	13	080S	240E	4304737525		Federal	GW	APD
COY 6ML-23-8-24	COY 6ML-23-8-24	SENE	23	080S	240E	4304737526		Federal	GW	APD
NBZ 8ML-23-8-24	NBZ 8ML-23-8-24	SENE	23	080S	240E	4304737527		Federal	GW	APD
COY 9ML-23-8-24	COY 9ML-23-8-24	NESE	23	080S	240E	4304737528		Federal	GW	APD
NBZ 15ML-23-8-24	NBZ 15ML-23-8-24	SWSE	23	080S	240E	4304737529		Federal	GW	APD
COY 16ML-23-8-24	COY 16ML-23-8-24	SESE	23	080S	240E	4304737530		Federal	GW	APD
COY 5ML-24-8-24	COY 5ML-24-8-24	SWNW	24	080S	240E	4304737531		Federal	GW	APD
COY 6ML-24-8-24	COY 6ML-24-8-24	SENE	24	080S	240E	4304737532		Federal	GW	APD
COY 6ML-21-8-24	COY 6ML-21-8-24	SENE	21	080S	240E	4304737584		Federal	GW	APD
COY 4ML-21-8-24	COY 4ML-21-8-24	NWNW	21	080S	240E	4304737585		Federal	GW	APD
COY 14ML-21-8-24	COY 14ML-21-8-24	SESW	21	080S	240E	4304737586		Federal	GW	APD
COY 15ML-21-8-24	COY 15ML-21-8-24	SWSE	21	080S	240E	4304737587		Federal	GW	NEW
WWT 1ML-24-8-24	WWT 1ML-24-8-24	NENE	24	080S	240E	4304737590		Federal	GW	APD
RWS 13ML-23-9-24	RWS 13ML-23-9-24	SWSW	23	090S	240E	4304737591		Federal	GW	APD
WWT 8ML-24-8-24	WWT 8ML-24-8-24	SENE	24	080S	240E	4304737640		Federal	GW	APD
GB 16ML-20-8-22	GB 16ML-20-8-22	SESE	20	080S	220E	4304737664	15948	Federal	GW	DRL
NBZ 1ML-29-8-24	NBZ 1ML-29-8-24	NENE	29	080S	240E	4304737666		Federal	GW	APD
WWT 16ML-24-8-24	WWT 16ML-24-8-24	SESE	24	080S	240E	4304737930		Federal	GW	APD
WWT 15ML-24-8-24	WWT 15ML-24-8-24	SWSE	24	080S	240E	4304737931		Federal	GW	APD
COY 14ML-24-8-24	COY 14ML-24-8-24	SESW	24	080S	240E	4304737932		Federal	GW	APD
COY 13ML-24-8-24	COY 13ML-24-8-24	SWSW	24	080S	240E	4304737933		Federal	GW	APD
COY 11ML-24-8-24	COY 11ML-24-8-24	NESW	24	080S	240E	4304737934		Federal	GW	APD
COY 15ML-14-8-24	COY 15ML-14-8-24	SWSE	14	080S	240E	4304737935		Federal	GW	APD
COY 14ML-14-8-24	COY 14ML-14-8-24	SESW	14	080S	240E	4304737936		Federal	GW	APD
COY 12ML-14-8-24	COY 12ML-14-8-24	NWSW	14	080S	240E	4304737937		Federal	GW	APD
COY 11ML-14-8-24	COY 11ML-14-8-24	NESW	14	080S	240E	4304737938		Federal	GW	APD
WVX 8ML-5-8-22	WVX 8ML-5-8-22	SENE	05	080S	220E	4304738140		Federal	GW	APD
WVX 6ML-5-8-22	WVX 6ML-5-8-22	SENE	05	080S	220E	4304738141		Federal	GW	APD
BBS 5G-23-7-21	BBS 5G-23-7-21	SWNW	23	070S	210E	4304738471		Federal	OW	APD
GB 12SG-29-8-22	GB 12SG-29-8-22	NWSW	29	080S	220E	4304738766		Federal	GW	APD
GB 10SG-30-8-22	GB 10SG-30-8-22	NWSE	30	080S	220E	4304738767		Federal	GW	APD
NBE 12SWD-10-9-23	NBE 12SWD-10-9-23	NWSW	10	090S	230E	4304738875		Federal	WD	APD
OP 16MU-3-7-20	OP 16MU-3-7-20	SESE	03	070S	200E	4304738944		Federal	OW	APD
WF 1P-1-15-19	WF 1P-1-15-19	NWNW	06	150S	200E	4304736781	14862	Indian	GW	S

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265	7. UNIT or CA AGREEMENT NAME: see attached
PHONE NUMBER: (303) 308-3068	8. WELL NAME and NUMBER: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached	9. API NUMBER: attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	10. FIELD AND POOL, OR WILDCAT:

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Operator Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE DATE 3/16/2007

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
QUESTAR EXPLORATION AND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 Denver, CO 80265
PHONE NUMBER: (303) 308-3068

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: attached

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
see attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
see attached

7. UNIT or CA AGREEMENT NAME:
see attached

8. WELL NAME and NUMBER:
see attached

9. API NUMBER:
attached

10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

1/1/2007

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Well Name Changes

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry

TITLE Supervisor, Regulatory Affairs

SIGNATURE

DATE 4/17/2007

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DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

January 23, 2008

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Name Change Approval

Attached is a certified copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the merger from the Eastern States state office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **QEP Uinta Basin, Inc.** into **Questar Exploration and Production Co.** is effective May 1, 2007, which is a correction to the effective dated stated in the decision letter. For verification of effective date, please refer to the name change certificate from the State of Texas.

/s/ Leslie Wilcken

Leslie Wilcken
Land Law Examiner
Branch of Fluid Minerals

cc: MMS
State of Utah, DOGM,

bcc: Dave Mascarenas
Susan Bauman
Connie Seare

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JAN 28 2008
DIV. OF LAND, ESTATE & SURVEYING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

UTU-075939

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

N/A

8. WELL NAME and NUMBER:

HC 14M-6-7-22

9. API NUMBER:

4304736198

10. FIELD AND POOL, OR WILDCAT:

HORSESHOE

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

QEP UINTA BASIN, INC

3. ADDRESS OF OPERATOR:

11002 E. 17500 S.

CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-4331

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 573' FSL 2760' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 6 7S 22E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Uinta Basin, Inc. hereby requests a 1 year extension on the HC 14M-6-7-22.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 01-22-07

By: [Signature]

1-23-07
pm

NAME (PLEASE PRINT) Laura Bills

TITLE Regulatory Assistant

SIGNATURE [Signature]

DATE 1/16/2007

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JAN 19 2007

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36198
Well Name: HC 14M-6-7-22
Location: 573' FSL 2760' FWL, SESW, SEC. 6 T7S R22E.
Company Permit Issued to: QEP UINTA BASIN, INC.
Date Original Permit Issued: 12/30/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Heena Billa
Signature

1/16/2007
Date

Title: REGULATORY ASSISTANT

Representing: QEP UINTA BASIN, INC.

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JAN 19 2007

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO:

3160

UT08300

February 8, 2008

43047-34198

Jan Nelson

Questar Exploration & Production, Co.

11002 East 17500 South

Vernal, UT 84078

Re: Notice of Expiration
Well No. HC 14M-6-7-22
SESW, Sec. 6, T7S, R22E
Uintah County, Utah
Lease No. UTU-075939

Dear Ms. Nelson:

The Application for Permit to Drill the above-referenced well was approved on May 26, 2005. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until May 26, 2007. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

Cindy Severson

Cindy Severson
Land Law Examiner

cc: UDOGM – Diana Mason

RECEIVED
FEB 13 2008
DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 15, 2008

Laura Bills
Questar Exploration & Production
11002 East 17500 South
Vernal, Utah 84078

43 047 36198
7S 22E 6
HC 14M-6-7-22

Re: APDs Rescinded at the request of Questar Exploration & Production

Dear Ms. Bills:

Enclosed find the list of APDs that you requested to be rescinded to Questar Exploration & Production. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective February 15, 2008.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

Page 2
February 15, 2008
Subject:

Red Wash 14-35 AMU	43-047-36354
Red Wash 44-35 AMU	43-047-36352
Stirrup U BW 8M-7-7-22	43-047-36138
Stirup U 16M-7-7-22	43-047-36137
HC 14M-6-7-22	43-047-36198
HC 16M-6-7-22	43-047-36197
COY 10ML-14-8-24	43-047-36038
NBE 1ML-12-9-12	43-047-36613
WH 12G-11-7-24	43-047-36195